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RZ2.R05033.07-ID-046

September 28, 2012

Mr. Allen Wojtas
Contract Level Contracting Officer's Representative
U.S. EPA, Region 5, LP-9J
77 W. Jackson Blvd
Chicago, IL 60604

Reference: EPA Contract No. EP-W-07-074; EPA Task Order R05033; Solutia, Inc., Sauget, Illinois (former Monsanto Plant) Final Field Sampling Activity Report; Task 6 Deliverable

Dear Mr. Wojtas:

Please find enclosed the final Trip Report for Soil Sampling at Residences Near the Solutia, Inc. Facility (Report) that describes soil sample collection activities in Sauget, Illinois. The soil samples were collected in the field by a team consisting of TechLaw representatives. The samples were collected on August 14 and 15, 2012, and subsequently analyzed by Columbia Analytical Services doing business as ALS Environmental (ALS) in Rochester, New York.

For your convenience, this report has also been e-mailed to both you and Mr. Ken Bardo in Microsoft Word (report text) and Adobe pdf (entire report) formats. If you have any questions, please contact me at (312) 345-8974 or Ms. Kim Whitlock, TechLaw's Task Order Manager, at (312) 345-8930.

Sincerely,

A handwritten signature in blue ink that reads 'Terry Zdon'.

Terry Zdon
Regional Project Manager

cc: C. Kerzhner, EPA CO (E-mail only)
K. Bardo, EPA TA (E-mail only)
B. Freeman, EPA CLTOCOR (E-mail only)

K. Whitlock (E-mail only)
B. Smith (E-mail only)
TechLaw Chicago Files

**TRIP REPORT FOR SOIL SAMPLING
AT RESIDENCES NEAR THE SOLUTIA, INC. FACILITY
AUGUST 2012**

SAUGET, ILLINOIS

Submitted to:

**Mr. Allen Wojtas
Contract Level Contracting Officer's Representative
U.S. Environmental Protection Agency
Region 5, LP-9J
77 W. Jackson Boulevard
Chicago, Illinois 60604**

Submitted by:

**TechLaw, Inc.
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EPA Contract No.	68-W-07-074
TechLaw Task Order No.	R05033
EPA Task Order No.	EP-G10S-00032
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September 28, 2012

**TRIP REPORT FOR SOIL SAMPLING
AT RESIDENCES NEAR THE SOLUTIA, INC. FACILITY**

SAUGET, ILLINOIS

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FIGURE

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Figure 2: Wilford Avenue Residential Sample Locations Solutia Residential Soil Sampling

Figure 3: Falling Springs Road and Mississippi Avenue Residential Sample Locations Solutia Residential Soil Sampling

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Appendix A: Field Log Book

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TRIP REPORT FOR SOIL SAMPLING AT RESIDENCES NEAR THE SOLUTIA, INC. FACILITY

SAUGET, ILLINOIS

1.0 INTRODUCTION

The purpose of this Trip Report (Report) is to summarize the sample collection procedures at residences in East St. Louis, Illinois located near the Solutia, Inc. facility in Sauget, Illinois. Soil sampling activities took place on August 14 and August 15, 2012. Prior to the sampling activities, TechLaw submitted a Sampling and Analysis Plan (SAP) dated July 23, 2011 to EPA which described the proposed sample collection and analytical methods. The sample locations were identified by EPA. The SAP was approved by EPA prior to the field visit. Soil samples were analyzed for polychlorinated biphenyls (PCBs). A subset of the samples was also analyzed for Resource Conservation and Recovery Act (RCRA) metals. Chemical analysis of the samples was conducted by ALS in Rochester, NY.

In total, TechLaw collected 11 five point composite surface soil samples (with each of the five points referred to as an aliquot) and eight discrete soil samples. The purpose of the field activities conducted by TechLaw was to provide support to EPA to evaluate whether PCBs and RCRA metals are present in soil at concentrations which exceed applicable screening standards at select locations in East St. Louis, Illinois near the Solutia, Inc. facility. Global Positioning System (GPS) Coordinates were also collected at each of the aliquot locations for the composite samples and each discrete sample location. A copy of the Field Log Book for the sampling event is presented in Appendix A. A Photograph Log depicting the sampling activities is provided in Appendix B. Chain of custody (COC) forms are provided in Appendix C. The Laboratory Analytical Results are provided in Appendix D and the Data Validation Report is provided in Appendix E.

2.0 SITE DESCRIPTION AND HISTORY

In 2009, EPA collected soil samples from 30 residences and two parks located in Sauget and East St. Louis, Illinois, near the former PCB-manufacturing area of the Solutia, Inc. facility in Sauget, Illinois. A total of 34, five-point composite surface soil samples were collected and analyzed for PCB homologs. Samples collected from four locations in Sauget and two locations in East St. Louis had PCB concentrations which exceeded the EPA Preliminary Remediation Goal (PRG) of one part per million (ppm).

Subsequently, an air deposition model analysis was completed in January 2011, which correlated the 2009 soil sampling results with estimated emissions from the PCB- manufacturing process. The model estimated that PCB concentrations in soil in excess of one ppm are potentially present in residential areas of East St. Louis which were not previously sampled.


3.0 SAMPLE LOCATIONS

Prior to mobilization, EPA obtained permission from property owners to collect soil samples at residences in East St. Louis, Illinois near the Solutia, Inc. facility. A total of 19 soil samples were collected. Refer to Table 1 for a summary of the collected samples, Figure 1 for a map of the sample locations, and Appendix B - Photograph Log for a depiction of sample collection locations.

Based on field conditions and EPA's clarification, TechLaw adjusted the following soil samples from the proposed samples in the SAP dated July 23, 2011. Originally, TechLaw proposed to collect 10 five point composite soil samples from the northern portion of the former Dead Creek bed. However, per EPA Representative Ken Bardo's request, only nine samples were collected from that area. Eight of the nine samples from the former creek bed were collected as discrete samples. Only one composite sample was collected from the former creek bed.

Residential Property Samples

Exemption 6-Personal Home Addresses



Creek Bed Samples

Exemption 6-Personal Home Addresses



4.0 SAMPLE COLLECTION ACTIVITIES

The TechLaw Sampling Team collected, handled, prepared, and delivered the samples to ALS in accordance with the site-specific SAP and the Region 5 Generic Quality Assurance Project Plan (QAPP). Descriptions of the sampling procedure are included below.

During the sampling activities, appropriate quality control samples were collected in accordance with TechLaw's EPA-approved SAP and QAPP. One (MS/MSD) sample was collected. In addition, two blind duplicate samples were collected. One of the duplicate samples was collected on August 14, 2012 from sample location SS-02 collected at 1230, which was identified on the COC as SS-12, collected at 0900. The other duplicate sample was collected August 15, 2012 from CR-03 collected at 0940, and was identified on the COC as CR-13, collected at 0800.

Each of the 11 composite samples comprised soil from five aliquot locations. Aliquot samples were collected along a transect 10 to 20 feet apart. The presence of trees at CR-09 and SS-06 prevented collection along a straight line. EPA and TechLaw determined aliquot locations for these two areas in the field. GPS coordinates for each aliquot are presented in Table 1. Ten of the composite samples were collected from residential properties (SS) and the remaining composite sample was collected from the former Dead Creek bed (CR). Soil was collected using disposable plastic spoons. The same disposable plastic spoon was used to collect each of the five aliquot soil samples. Each aliquot soil sample soil was then placed in a disposable plastic bowl and homogenized with the same plastic spoon used to collect the aliquots. After the five aliquot samples were homogenized the composited soil was place into the appropriate sample container. The plastic spoon was disposed of after the collection of each composite sample. Each aliquot location was labeled A, B, C, D, or E. Each of the composite samples was collected into one 8 ounce (oz) wide-mouth glass jar with Teflon-lined lid for PCB analysis. A second volume was collected for the composite sample CR-09 into another 8-oz wide-mouth glass jars with Teflon-lined lids for RCRA metals analysis.

Per EPA's direction, in place of the additional composite samples that were originally proposed for the former Dead Creek area, eight discrete samples (CR) were collected from the former bed. These discrete samples were collected with a hand auger and shovel. Samples from each of the eight discrete sample locations were collected into two 8-oz glass jar with Teflon-lined lid for PCB and RCRA metals analyses. The TechLaw Sampling Team decontaminated the stainless steel hand augers and shovel prior to collection of each sample, and an equipment rinsate sample was collected on August 15, 2012 at 1650.

All samples were properly labeled by indicating the date and time of collection. The bottles were placed into coolers lined with a heavy duty garbage bag, and packed with double-bagged ice to keep the samples cooled to less than 4 degrees (°) Celsius (C). The garbage bag was then tied into a knot and secured with tape. Chain-of-custody forms (copies are included in Appendix D) were placed in clear plastic bags and taped to the inner side of the cooler lids. The coolers were sealed with strapping tape and secured with custody seals. Samples were shipped overnight, via Federal Express, to ALS in Rochester, New York. Appropriate chain-of-custody procedures were utilized by TechLaw personnel at all times to maintain the integrity of the

samples as detailed in the QAPP.

Any soil remaining in the disposable bowl after the sample jars had been filled were placed back into the area from which the sample was originally obtained; as such, only non-hazardous Investigative Derived Waste (IDW) was produced. Based on historical analytical data and process knowledge, disposable PPE and disposable sampling equipment were managed as non-hazardous waste and placed in a dumpster for disposal at a municipal landfill.

TechLaw used pre-cleaned disposable sampling equipment and supplies except for the hand auger and shovel. These two pieces of equipment were first wiped with a paper towel to remove large deposits. Then, the equipment was washed in a solution of deionized water (DI water) and Alconox. After washing, the equipment was triple rinsed with DI water and dried with a paper towel. As indicated in the EPA-approved SAP, decontamination fluids were disposed of onto the ground surface of the former creek bed.

5.0 ANALYTICAL RESULTS

TechLaw collected 21 soil samples including two duplicate samples during the August 2012 sampling event. All samples were analyzed for PCBs by Method 680. A subset of the samples, those collected from the former creek bed, was also analyzed for RCRA metals by Methods 6010C and 7471B.

Several PCBs were detected in the soil samples analyzed by ALS. Tetrachlorobiphenyls were detected in all composite surface soil samples from residential properties (SS-01 through SS-10 and SS-11) as well as in soil samples CR-05, CR-06, and CR-09 with the highest concentration (720 micrograms per kilogram ($\mu\text{g/kg}$)) found in sample SS-01. Hexachlorobiphenyls were detected in all samples except CR-02, CR-03, and CR-13 (the duplicate of CR-03).

Heptachlorobiphenyls were detected in 19 of the samples with the non-detects occurring in CR-02 and CR-03. PCB 209 was detected in all samples except in CR-03 and its duplicate CR-13. The highest concentration of PCB 209 ($1700 \mu\text{g/kg}$) was found in sample SS-08. Table 2b, Summary of PCB Analytical Results, presents additional data on the PCBs that were detected during the August 2012 sampling event.

Several RCRA metals were detected, including arsenic and chromium, above EPA Regional Screening Levels (RSLs) for residential soil in all of the samples analyzed for metals (CR-01 through CR-09 and CR-13). The highest arsenic and chromium concentrations were detected in CR-05 with values of 27.8 milligrams per kilogram (mg/kg) and 33.2 mg/kg , respectively. Lead, above the EPA RSLs for residential soil, was detected in CR-05, CR-06, CR-07, and CR-08. Table 2a, Summary of RCRA Metals Analytical Results, presents the RCRA metals that were detected during the August 2012 sampling event. Analytical Data Reports are included in the report as Appendix D.

As requested by EPA, TechLaw performed a full data validation on 25% of the samples analyzed for polychlorinated biphenyl compounds as homologs (PCBs). Additionally, TechLaw qualified

all PCB data with Quality Control exceedances. Based on the data validation, no analytical results were rejected. A copy of the data validation report is included in Appendix E.

TABLES

Table 1. Sample Collection Summary

Sample ID ^v	Sample Date	Sample Time	Aliquot ID ^w	GPS Coordinates		Depth Interval (inches)	Notes
				Latitude N	Longitude W		
SS-01	08/14/12	1010	A	38°36'01.711"	90°09'31.602"	0 - 6	silty loam, some gravel, dry
			B	38°36'01.561"	90°09'31.435"	0 - 6	silty loam, rusty bolt, gravel, sandstone
			C	38°36'01.432"	90°09'31.266"	0 - 6	silty loam, piece of brown glass bottle
			D	38°36'01.266"	90°09'31.106"	0 - 6	silty loam, piece of clear glass bottle, cinders, gravel
			E	38°36'01.114"	90°09'30.970"	0 - 6	silty loam, gravel/stone
SS-02	08/14/12	1230	A	38°36'07.626"	90°09'38.870"	0 - 6	concrete pieces present
			B	38°36'07.510"	90°09'38.715"	0 - 6	angular rocks, brick, small gravels, ~5" plastic
			C	38°36'07.406"	90°09'38.608"	0 - 5.5	brick pieces
			D	38°36'07.300"	90°09'38.508"	0 - 5	more clay in soil, but still silty loam
			E	38°36'07.209"	90°09'38.382"	0 - 6	rocks, clay
SS-03	08/14/12	1320	A	38°36'08.185"	90°09'39.357"	0 - 6	0-3" brown clay, silts with gravels below
			B	38°36'08.281"	90°09'39.445"	0 - 6	0-2" brown clay, more charcoal and burned wood
			C	38°36'08.355"	90°09'39.558"	0 - 6	clay to 2", no notable debris
			D	38°36'08.442"	90°09'39.651"	0 - 6	clay to 2.5" then silt with gravel; more broken bottles, cinders
			E	38°36'08.509"	90°09'39.789"	0 - 6	gravel at the bottom
SS-04 ^x	08/14/12	1350	A	38°36'07.953"	90°09'39.670"	0 - 6	black loam, browning with depth, glass and gravel, brick pieces
			B	38°36'08.048"	90°09'39.779"	0 - 6	glass, charcoal, and nails; not as black with gravel, more clay
			C	38°36'08.134"	90°09'39.903"	0 - 6	same gravel, otherwise silty loam
			D	38°36'08.182"	90°09'40.012"	0 - 6	same gravel, otherwise silty loam
			E	38°36'08.277"	90°09'40.086"	0 - 6	nail present
SS-05	08/14/12	1515	A	38°36'10.322"	90°09'41.791"	0 - 6	brown clay to 3", gravel, cinders
			B	38°36'10.423"	90°09'41.916"	0 - 6	brown clay, no gravel to 6"
			C	38°36'10.501"	90°09'42.035"	0 - 6	brown clay, no gravel to 6"; hard packed
			D	38°36'10.587"	90°09'42.142"	0 - 6	glass, black loam with gravel, possible coal, brown clay on one side
			E	38°36'10.659"	90°09'42.226"	0 - 6	black loam, no gravel, no clay, glass

Sample ID ^v	Sample Date	Sample Time	Aliquot ID ^w	GPS Coordinates		Depth Interval (inches)	Notes
				Latitude N	Longitude W		
SS-06	08/14/12	1620	A	38°36'19.089" *	90°09'55.303"	0 - 6	gravel, brownish grey loam
			B	38°36'18.793" *	90°09'55.541"	0 - 6	loam, some gravel, bricks
			C	38°36'18.702" *	90°09'55.699"	0 - 6	brick, brownish grey
			D	38°36'18.731" *	90°09'55.801"	0 - 6	glass
			E	38°36'18.754" *	90°09'55.870"	0 - 6	marble
SS-07	08/14/12	1750	A	38°36'19.048"	90°09'57.207"	0 - 6	none
			B	38°36'19.123"	90°09'57.430"	0 - 6	none
			C	38°36'19.221"	90°09'57.786"	0 - 6	none
			D	38°36'19.304"	90°09'58.026"	0 - 6	none
			E	38°36'19.342"	90°09'58.166"	0 - 6	none
SS-08	08/15/12	1204	A	38°36'22.019"	90°09'56.401"	0 - 6	none
			B	38°36'22.081"	90°09'56.585"	0 - 6	none
			C	38°36'22.125"	90°09'56.758"	0 - 6	none
			D	38°36'22.167"	90°09'56.929"	0 - 6	none
			E	38°36'22.172"	90°09'56.932"	0 - 6	none
SS-09	08/15/12	1328	A	38°36'22.403"	90°10'08.031"	0 - 6	black organic then more brown; all silt
			B	38°36'22.410"	90°10'07.954"	0 - 6	black organic then more brown; all silt
			C	38°36'22.584"	90°10'08.045"	0 - 6	black organic then more brown; all silt
			D	38°36'22.567"	90°10'07.956"	0 - 6	black organic then more brown; all silt
			E	38°36'22.878"	90°10'07.953"	0 - 6	more clay under grassy loam
SS-010	08/15/12	1528	A	38°36'02.078"	90°09'31.954"	0 - 6	none
			B	38°36'02.177"	90°09'32.045"	0 - 6	none
			C	38°36'02.267"	90°09'32.242"	0 - 6	none
			D	38°36'02.363"	90°09'32.364"	0 - 6	none
			E	38°36'02.462"	90°09'32.506"	0 - 6	none
SS-12 ^y	08/14/12	1230	A	38°36'07.626"	90°09'38.870"	0 - 6	concrete pieces present
			B	38°36'07.510"	90°09'38.715"	0 - 6	angular rocks, brick, small gravels, ~5" plastic
			C	38°36'07.406"	90°09'38.608"	0 - 5.5	brick pieces
			D	38°36'07.300"	90°09'38.508"	0 - 5	more clay in soil, but still silt loam
			E	38°36'07.209"	90°09'38.382"	0 - 6	rocks, clay
CR-01	08/14/12	1820	----	38°36'18.471"	90°09'59.103"	6 - 12	lots of brick, rock, fill; loamy silt
CR-02	08/15/12	0903	----	38°36'25.146"	90°09'57.481"	4 - 8	tree roots and debris
CR-03	08/15/12	0940	----	38°36'24.194"	90°09'58.130"	0 - 6	topsoil, fill

Sample ID ^v	Sample Date	Sample Time	Aliquot ID ^w	GPS Coordinates		Depth Interval (inches)	Notes
				Latitude N	Longitude W		
CR-04	08/15/12	0945	----	38°36'24.194"	90°09'58.130"	6 - 12	fill
CR-05	08/15/12	1014	----	38°36'23.560"	90°09'58.693"	not recorded	in brush area
CR-06	08/15/12	1100	----	38°36'21.038"	90°09'57.936"	not recorded	brick, porcelain, glass, plastic; dark brown, greyish silty loam
CR-07	08/15/12	1124	----	38°36'22.150"	90°09'57.224"	0 – 6	none
CR-08	08/15/12	1129	----	38°36'22.150"	90°09'57.224"	6 – 12	none
CR-09	08/15/12	1247	A	38°36'18.718"	90°09'58.892"	0 – 6	organic topsoil, gravel
			B	38°36'18.859"	90°09'58.697"	0 – 6	gravel, brick; glass, chunks of wood
			C	38°36'18.941"	90°09'59.072"	0 – 6	bricks and gravel
			D	38°36'19.048"	90°09'58.965"	0 – 6	bricks and gravel; more leaf litter
			E	38°36'19.132"	90°09'58.846"	0 – 6	gravel; organic matter
CR-13 ^z	08/15/12	0940	----	38°36'24.194"	90°09'58.130"	0 – 6	topsoil, fill

Notes: v- Soil sample identification for samples collected from residential properties were recorded as SS-##; samples collected from the former Dead Creek bed area were recorded as CR-##

w- each composite sample included five aliquots, recorded as A, B, C, D, E; ---- = no aliquots because discrete sample was collected

x- SS-04 was collected from the same property as SS -03; SS -04 was located approximately 35 feet southwest of SS -03

y- SS-12 is the duplicate of SS-02

z- CR-13 is the duplicate of CR-03

* - GPS locations are north of actual locations due to presence of tree canopy over aliquot locations for SS-06

TABLE 2a
SUMMARY OF RCRA METALS ANALYTICAL RESULTS
RESIDENCES NEAR THE SOLUTIA, INC. FACILITY
AUGUST 2012 SAMPLING EVENT

ANALYTE	EPA RSLs for Residential Soils ^x	CR-01		CR-02		CR-03		CR-04		CR-05		CR-06		CR-07		CR-08		CR-09 ^y		CR-13 ^z		
		RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	
RCRA Metals (mg/kg)																						
Arsenic	0.39	10.1		15.3		12.6		9.0		27.8		19.6		16.6		26.8		10.7		9.3		
Barium	15000	270		374		164		284		698		281		361		603		181		335		
Cadmium	70.0	6.56		13.4		6.18		4.49		46.2		27.8		45.2		19.5		37.4		4.92		
Chromium	0.29	21.6		23.0		15.7		15.2		33.2		23.5		23.9		30.7		18.3		13.6		
Lead	400	302		388		63.0		276		1290		579		1290		3460		328		186		
Mercury	10	0.199		0.368		0.064		0.183		0.412		1.04		0.663		0.641		0.324		0.103		
Selenium	390	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	
Silver	390	1.1		1.1		1.1	U	1.1	U	4.6		3.2		3.3		2.0		2.4		1.1	U	

NOTES:

10.1 = Exceeded Region 6 EPA RSLs for Residential Soils

mg/kg = Milligrams per Kilogram

Q = Qualification or description

U = The analyte was not detected above the reported sample quantitation limit

x- EPA RSLs for residential soil were obtained from the Regional Screening Level (RSL) Summary Table April 2012

y- CR-09 is a composite sample; all other samples in Table 2a are discrete samples

z- CR-13 is a duplicate of CR-03

TABLE 2b
SUMMARY OF PCB AND PESTICIDE ANALYTICAL RESULTS
RESIDENCES NEAR THE SOLUTIA, INC. FACILITY
AUGUST 2012 SAMPLING EVENT

ANALYTE	SS-01 ⁺		SS-02 ⁺		SS-03		SS-04		SS-05		SS-06		SS-07		SS-08		SS-09 ^y		SS-10		SS-12 ^{+x}		CR-01		CR-02		CR-03 ⁺		CR-04		CR-05		CR-06		CR-07		CR-08		CR-09		CR-13 ^{+z}									
	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q	RESULT	Q										
PCBs (µg/kg)																																																		
Monochlorobiphenyls	67	UJ	12	UJ	6.7	U	11	UJ	14	U	23	U	6.8	U	32	U	22	U	4.5	U	12	U	2.2	UJ	11	UJ	14	UJ	11	UJ	11	UJ	12	UJ	55	UJ	2.3	UJ	6.9	UJ										
Dichlorobiphenyls	67	U	12	U	6.7	U	11	U	14	U	23	U	6.8	U	32	U	22	U	4.5	U	12	U	2.2	U	11	U	14	U	11	U	11	U	11	U	12	U	55	U	2.3	U	6.9	U								
Trichlorobiphenyls	93		12	U	6.7	U	11	U	14	U	23	U	6.8	U	32	U	22	U	4.5	U	12	U	2.2	U	11	U	14	U	11	U	42		11	U	12	U	55	U	2.3	U	6.9	U								
Tetrachlorobiphenyls	720		25		8.2		18		30		29		31		88		81		16		22		2.2	U	11	U	42	J	11	U	170		17		12	U	55	U	4.2		12	J								
Pentachlorobiphenyls	2500	J	55		21		65		140		56		51		620		170		47		58		3.6	J	150	J	14	UJ	52	J	220		39	J	40	J	100	J	14		67	J								
Hexachlorobiphenyls	2100		63		23		65		360		59		68		370		150		82		61		11		920	J	14	UJ	53		160		45		45		130		14		42	J								
Heptachlorobiphenyls	960		39		11		35		260		29		35		83		100		73		32		7.9		700	J	14	U	13		38		41		18		57		14		7.9									
Octachlorobiphenyls	320		19		10		18		54		23	U	12		32	U	82		250		32		2.7		93		20		12		11	U	14		12	U	55	U	4.7		6.9	U								
Nonachlorobiphenyls	120		190		110		160		240		240		100		340		280		370	J	190		16		28		210	J	120		18		99		41		55	U	28		72	J								
PCB 209	250		670		460		650		1100		1200		440		1700		840		250		730		62		53		950	J	440		56		440		150		120		110		300	J								

NOTES
mg/kg = Milligrams per Kilogram
Q = Qualification or description
* Denotes full validation
U = The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit
UJ = The reported quantitation limit is estimated because Quality Control criteria were not met. Element or compound was not detected.
J = The associated numerical value is an estimated quantity because the Quality Control criteria were not met.
x- SS-12 is a duplicate of SS-02
y- CR-09 is a composite sample; all other CR-## samples are discrete
z- CR-13 is a duplicate of CR-03

FIGURES

Legend

● Sample Location

CR-05 Pivot

NOTE Due to poor satellite coverage, CR-05 is located in the trees just west of the point CR-05 Pivot

CR-02

CR-03/04

CR-07/08

CR-06

CR-09D

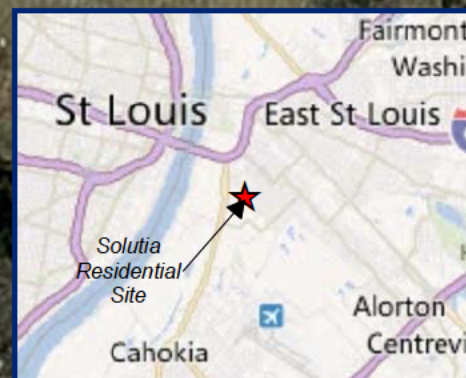
CR-09E

CR-09C

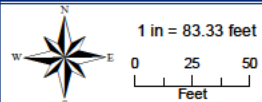
CR-09A

CR-09B

CR-01



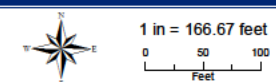
**Figure 1 - Dead Creek Sample Locations
Solutia Residential Soil Sampling
Sauget, Illinois**



Map Date: September, 26, 2012
Data Sources
Sample Locations: TechLaw (2012)
Imagery: Bing Aerial (2010)
Map Projection/Coordinate System:
UTM, Meters, 16 North, NAD 83

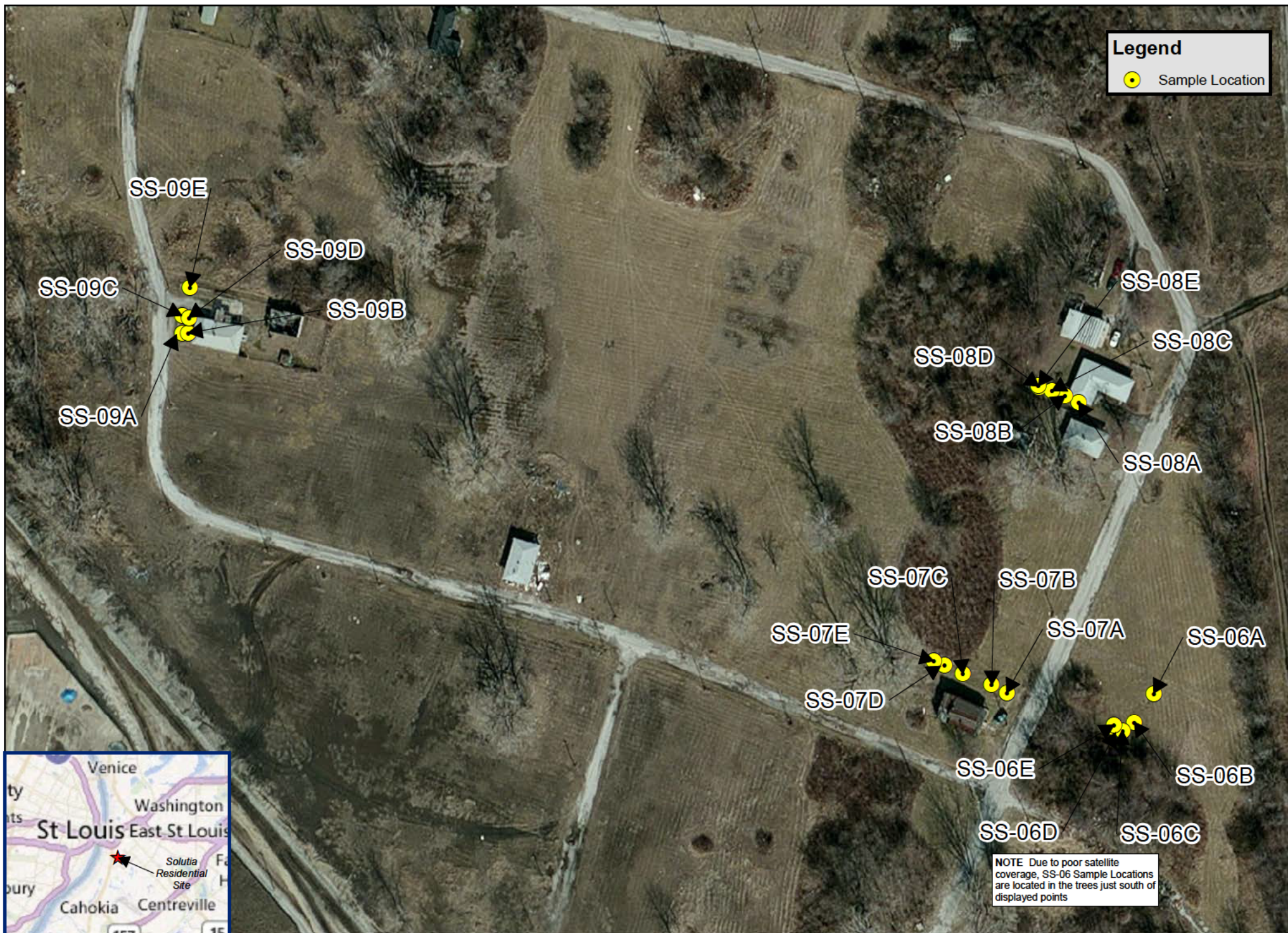


Figure 2 - Wilford Avenue Residential Sample Locations
Solutia Residential Soil Sampling
Sauget, Illinois



Map Date: September, 26, 2012
Data Source:
Sample Locations: TechLaw (2012)
Imagery: Bing Aerial (2010)
Map Projection/Coordinate System:
UTM, Meters, 16 North, NAD 83





**Figure 3 - Falling Springs Road and Mississippi Avenue Residential Sample Locations
Solutia Residential Soil Sampling
Sauget, Illinois**



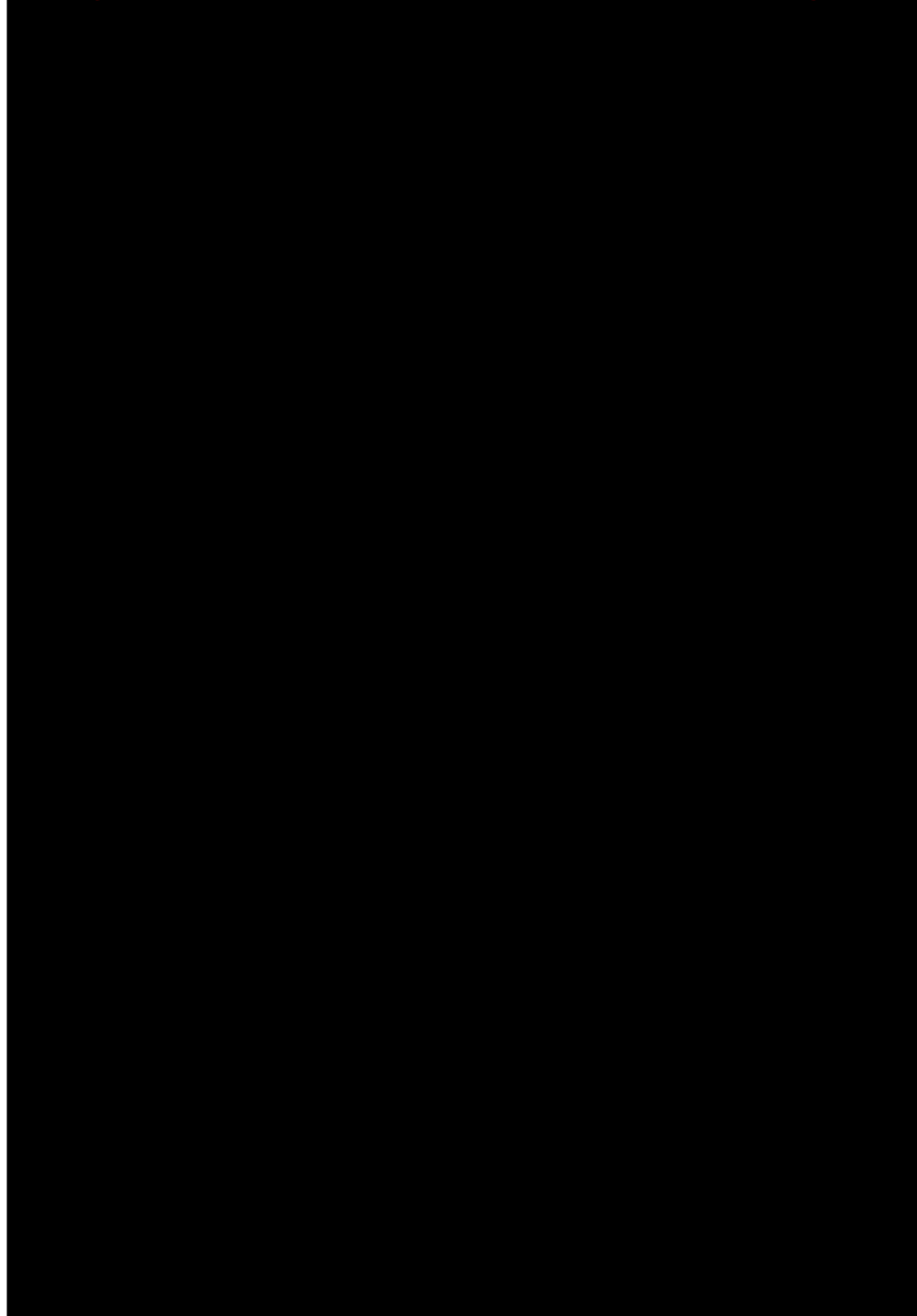
APPENDIX A

Field Log Book

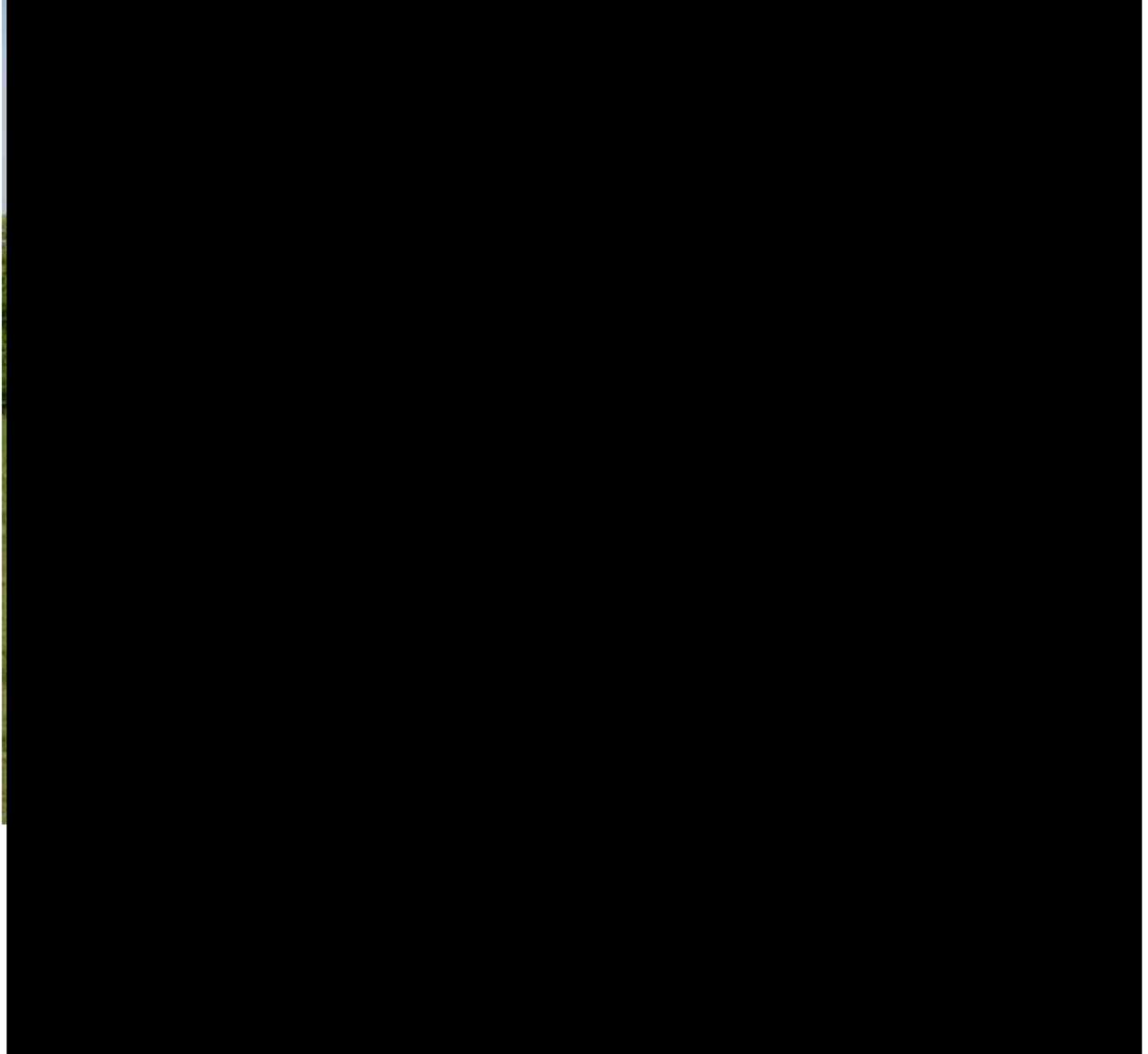
APPENDIX B

Photograph Log

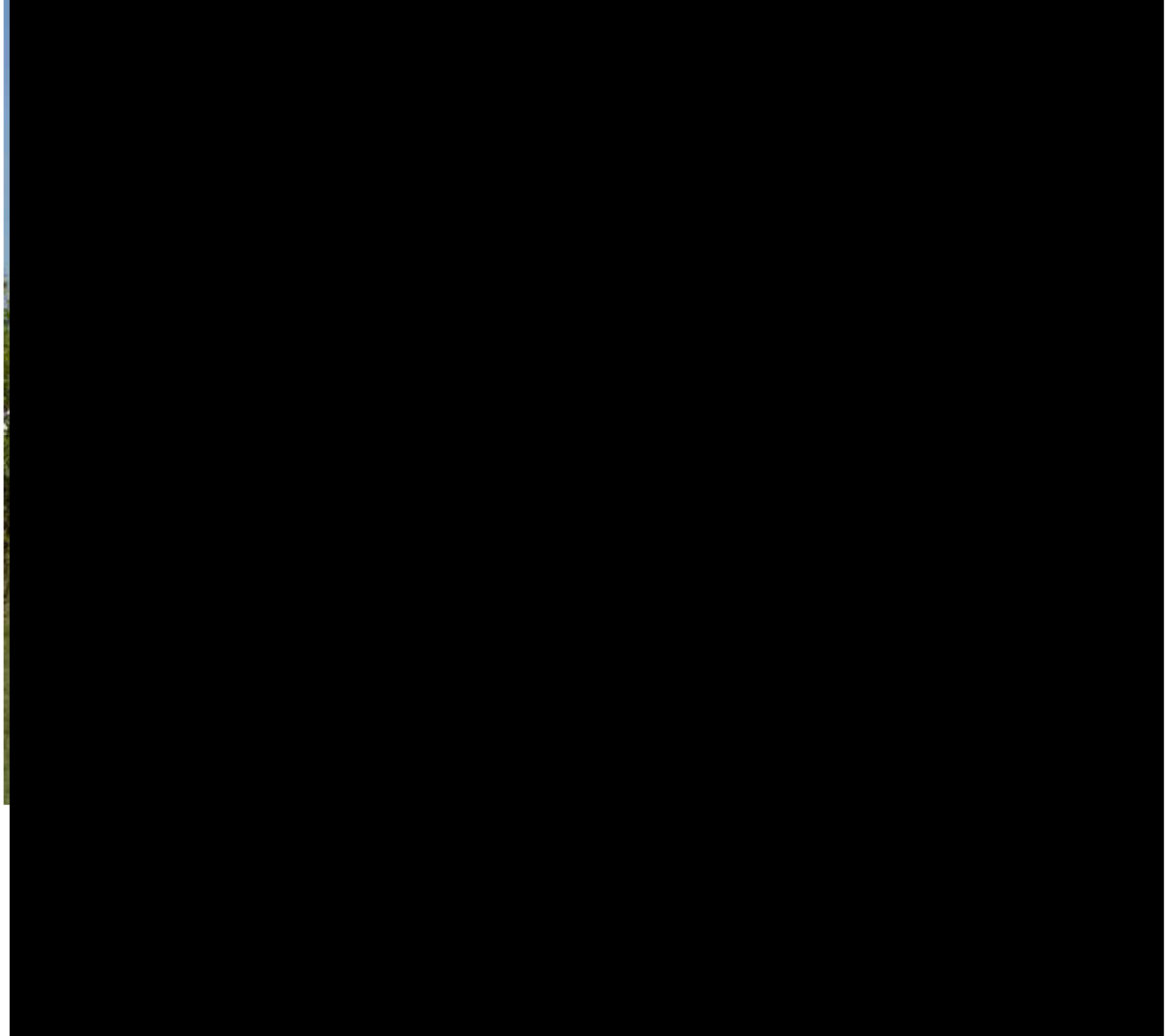
Exemption 6-Personal Home Addresses/Photos of Inspection



Exemption 6-Personal Home Addresses/Photo of Inspection



Exemption 6-Personal Home Addresses/Photo of Inspection



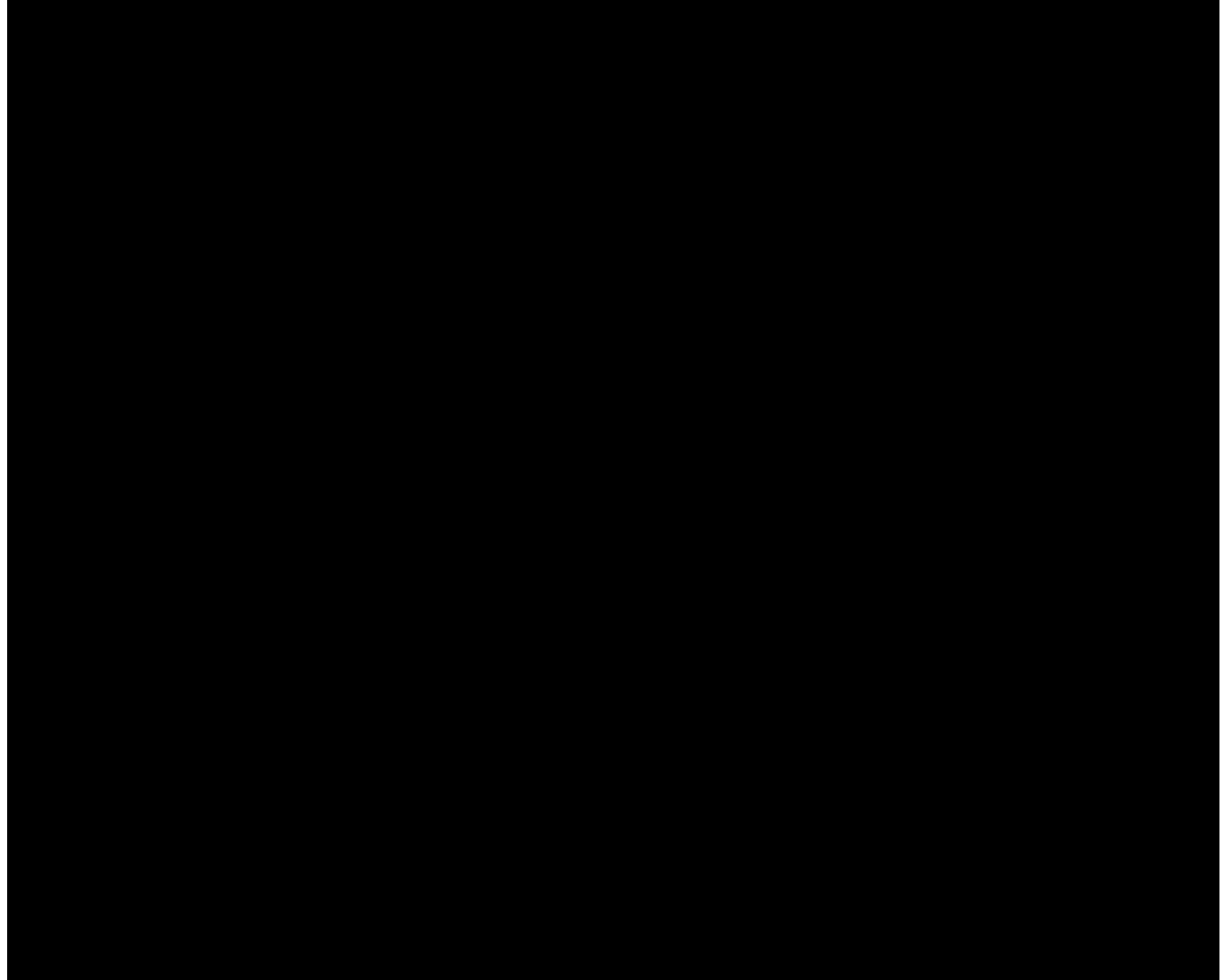
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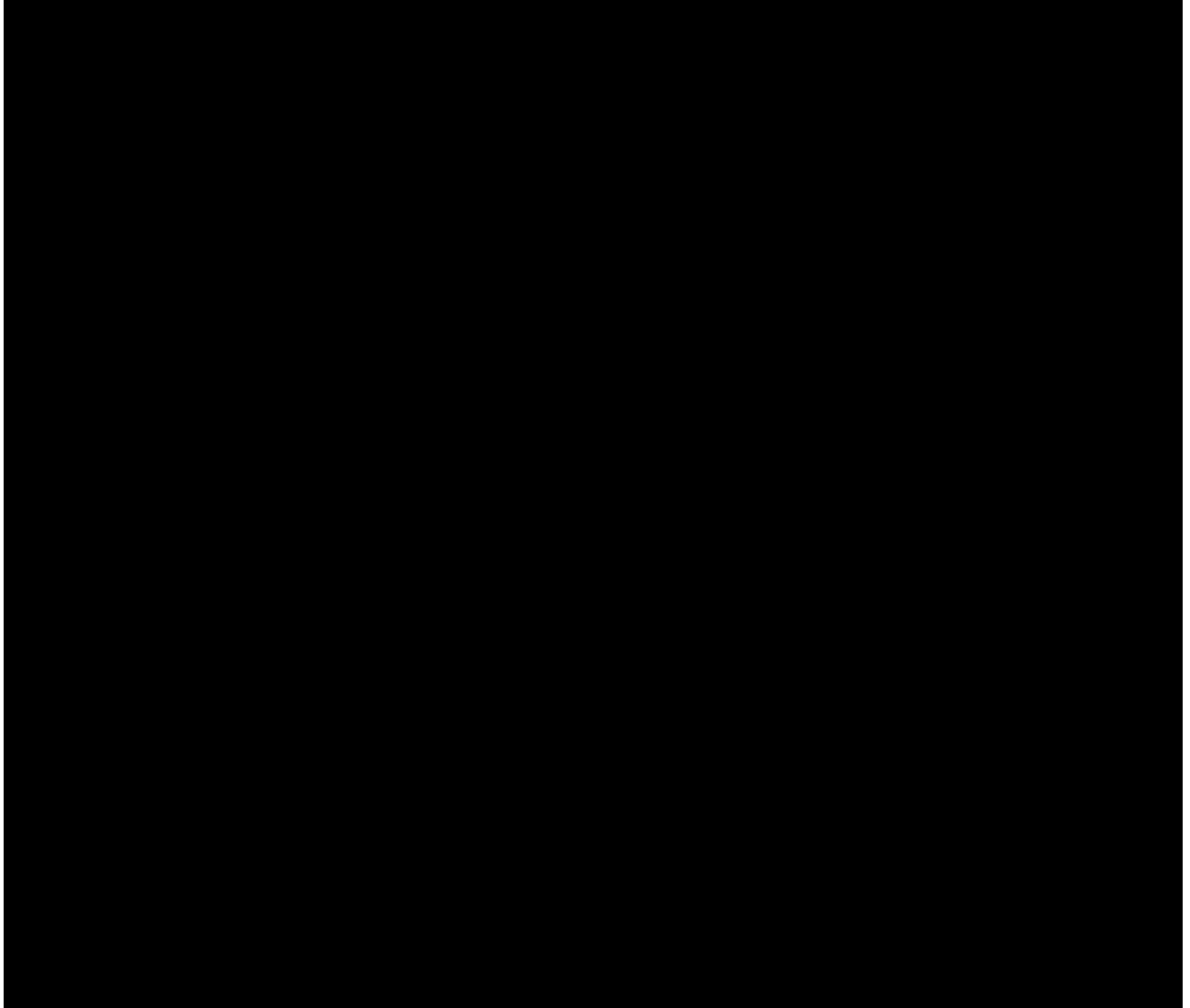
Exemption 6-Personal Home Address/Photo of Inspection



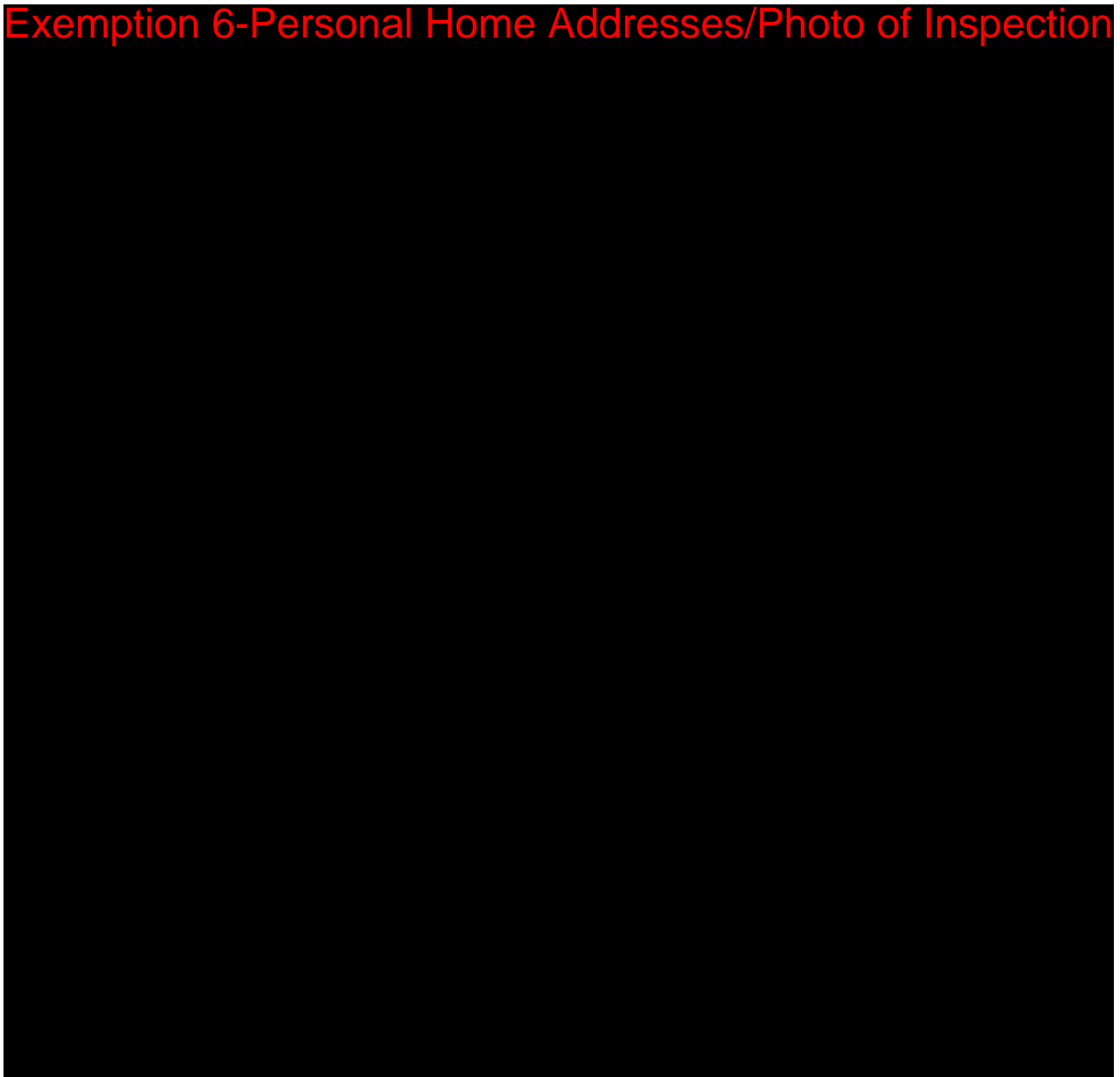
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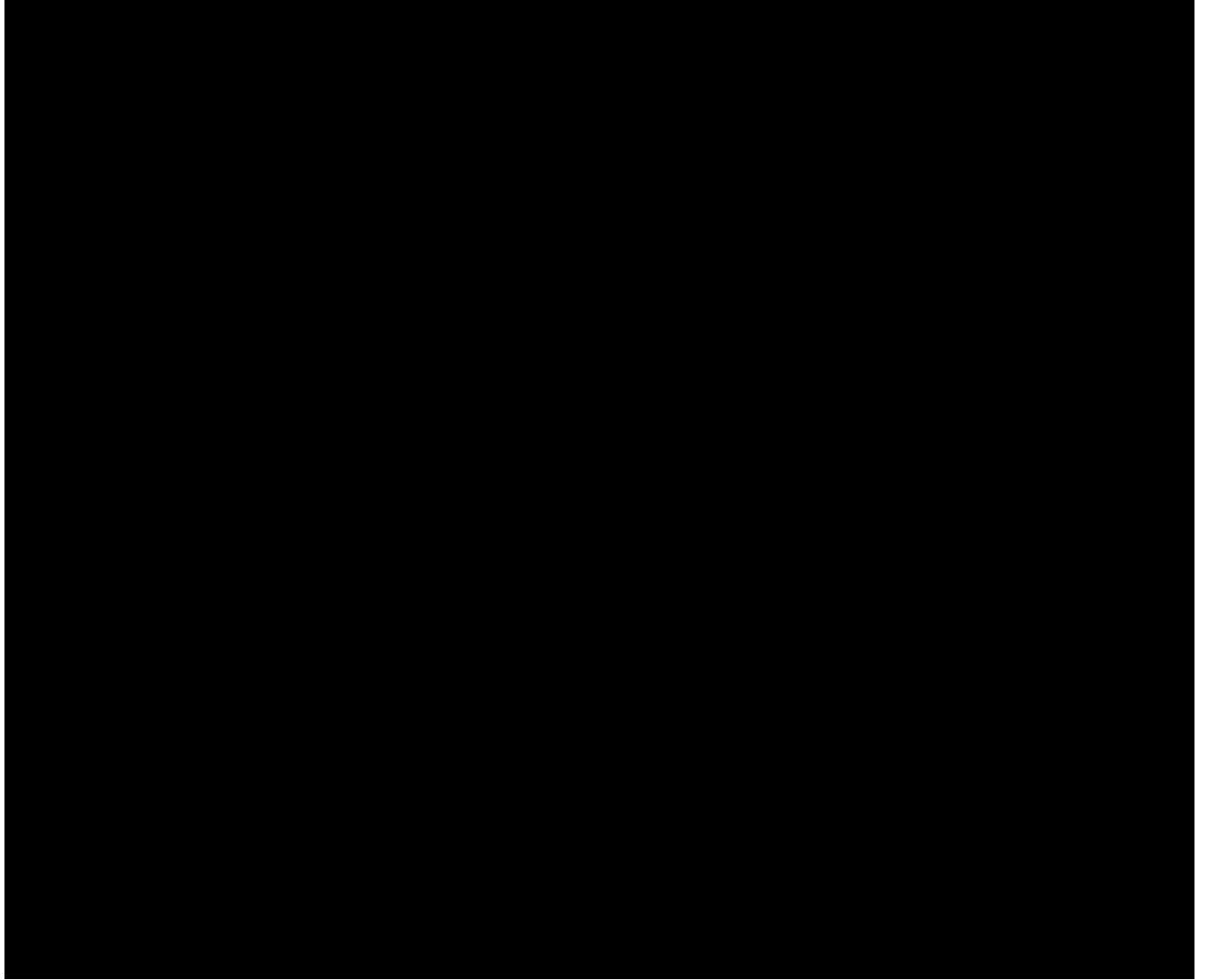
Exemption 6-Personal Home Addresses/Photo of Inspection



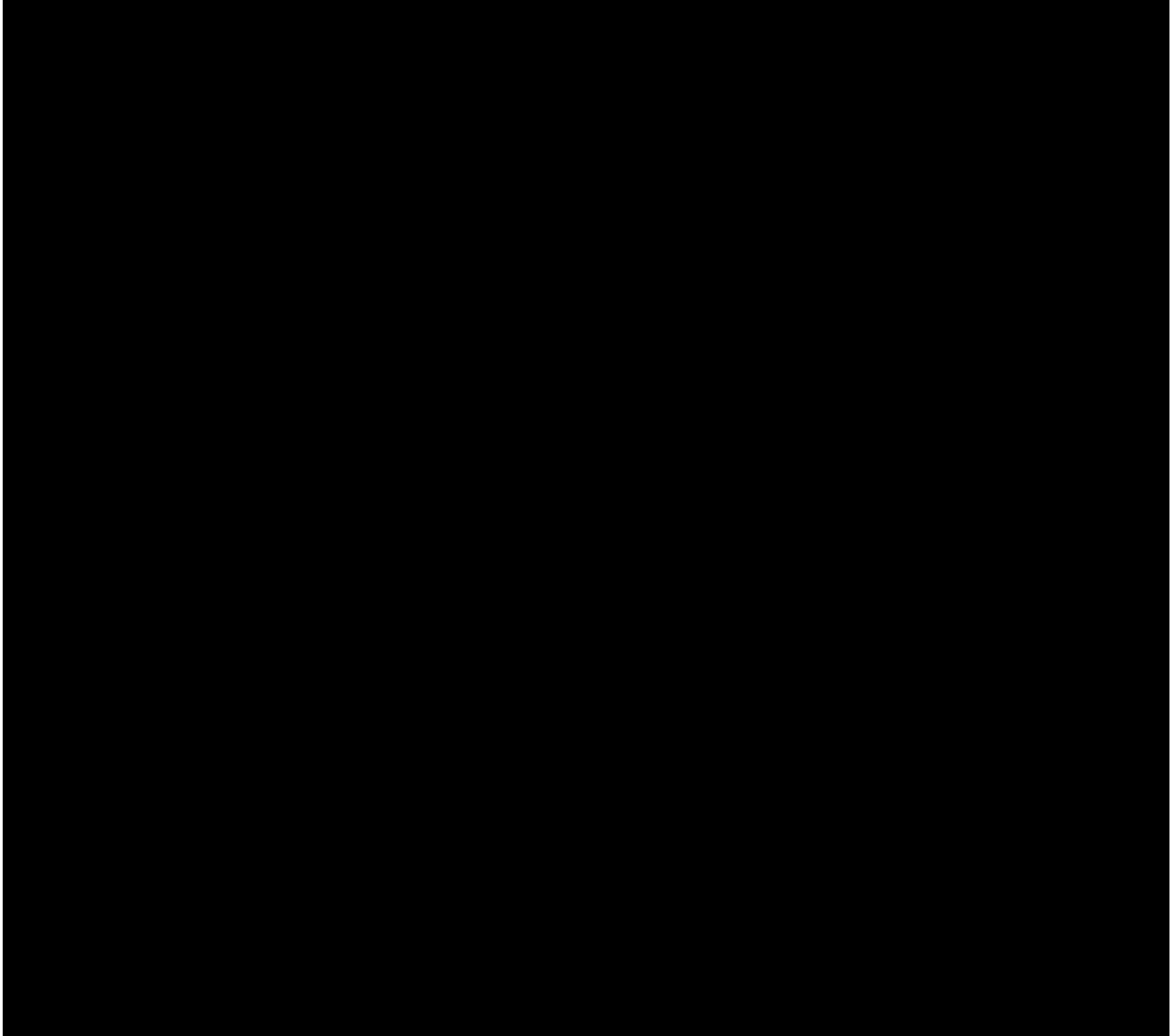
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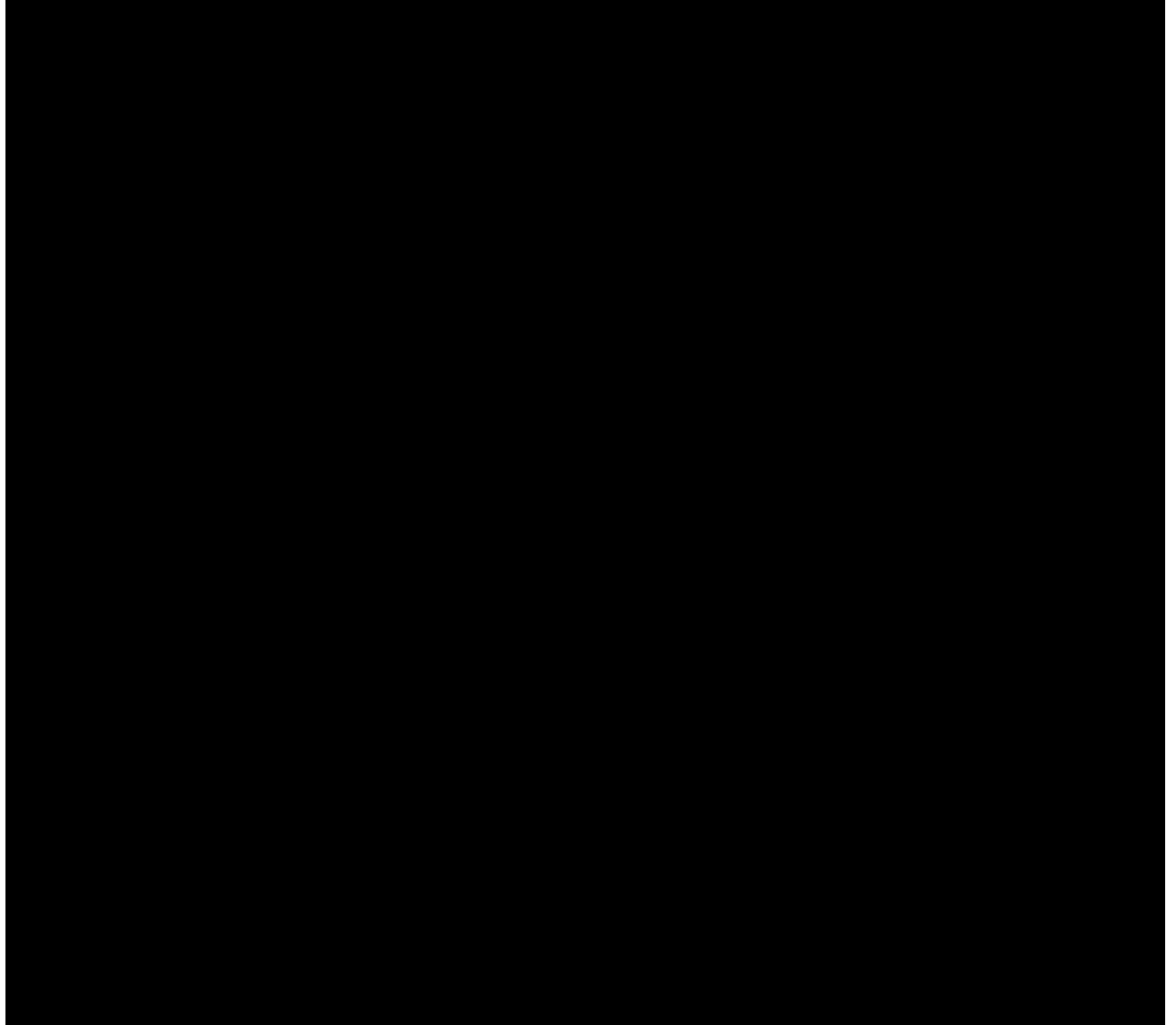
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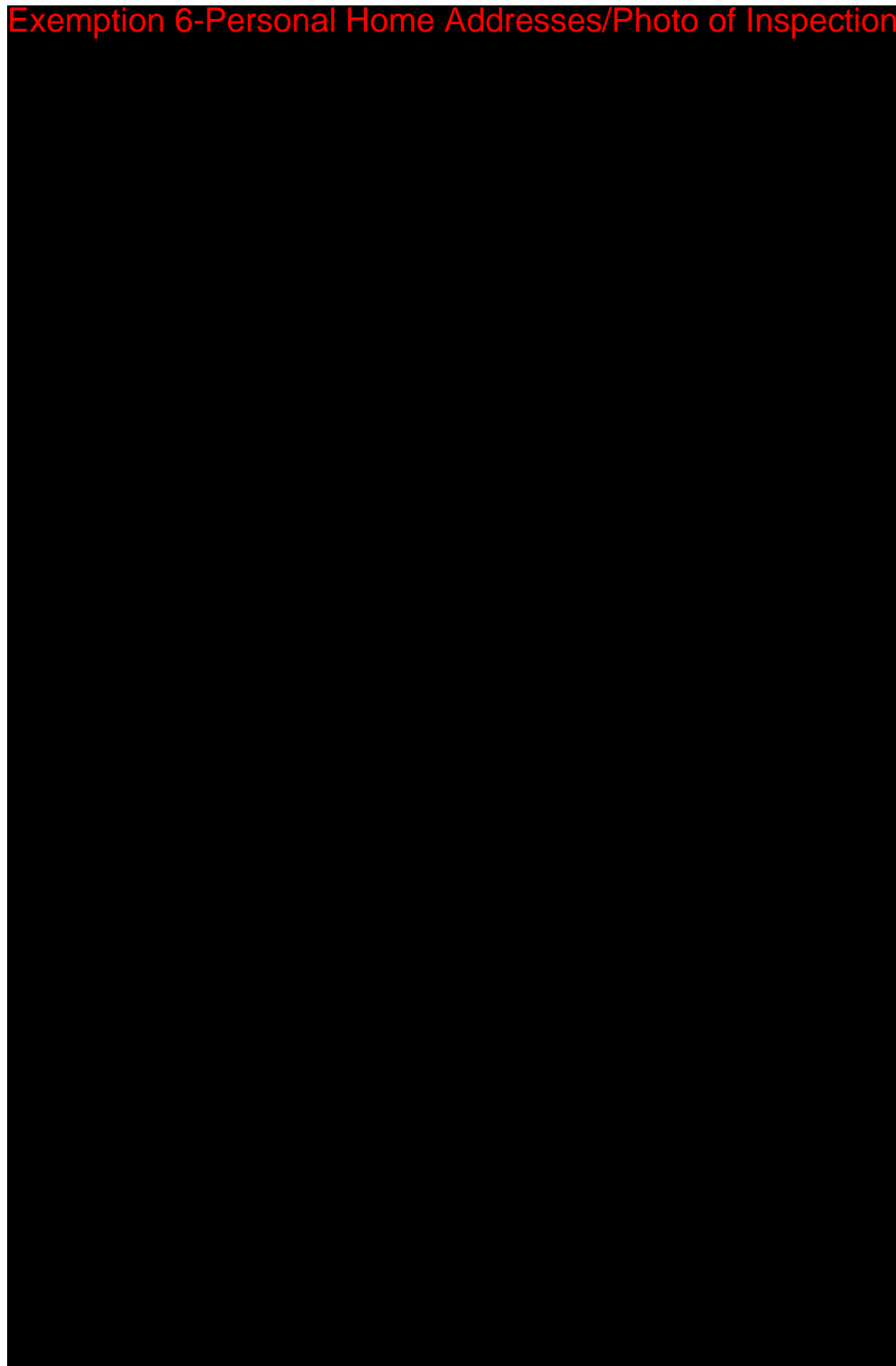
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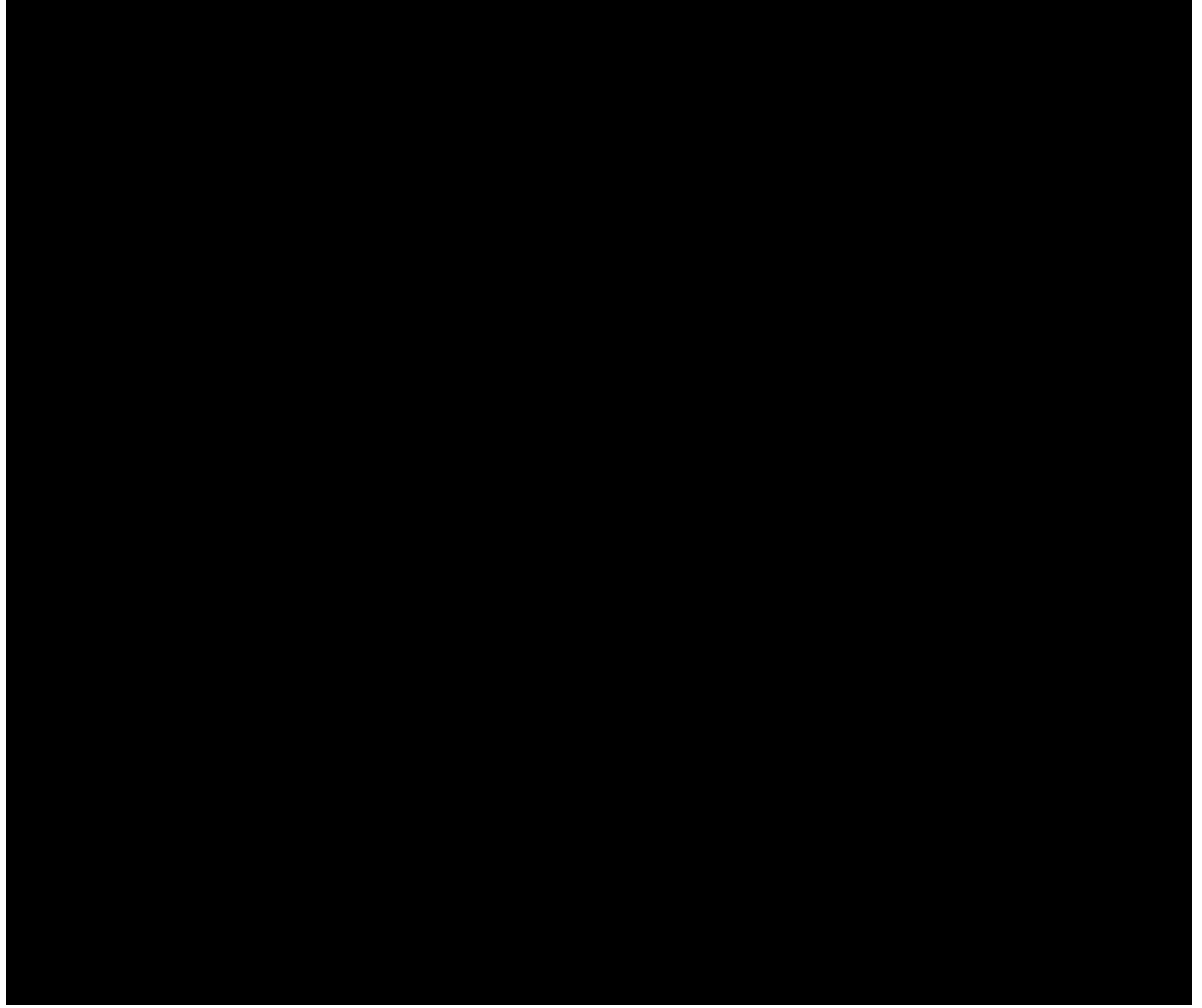
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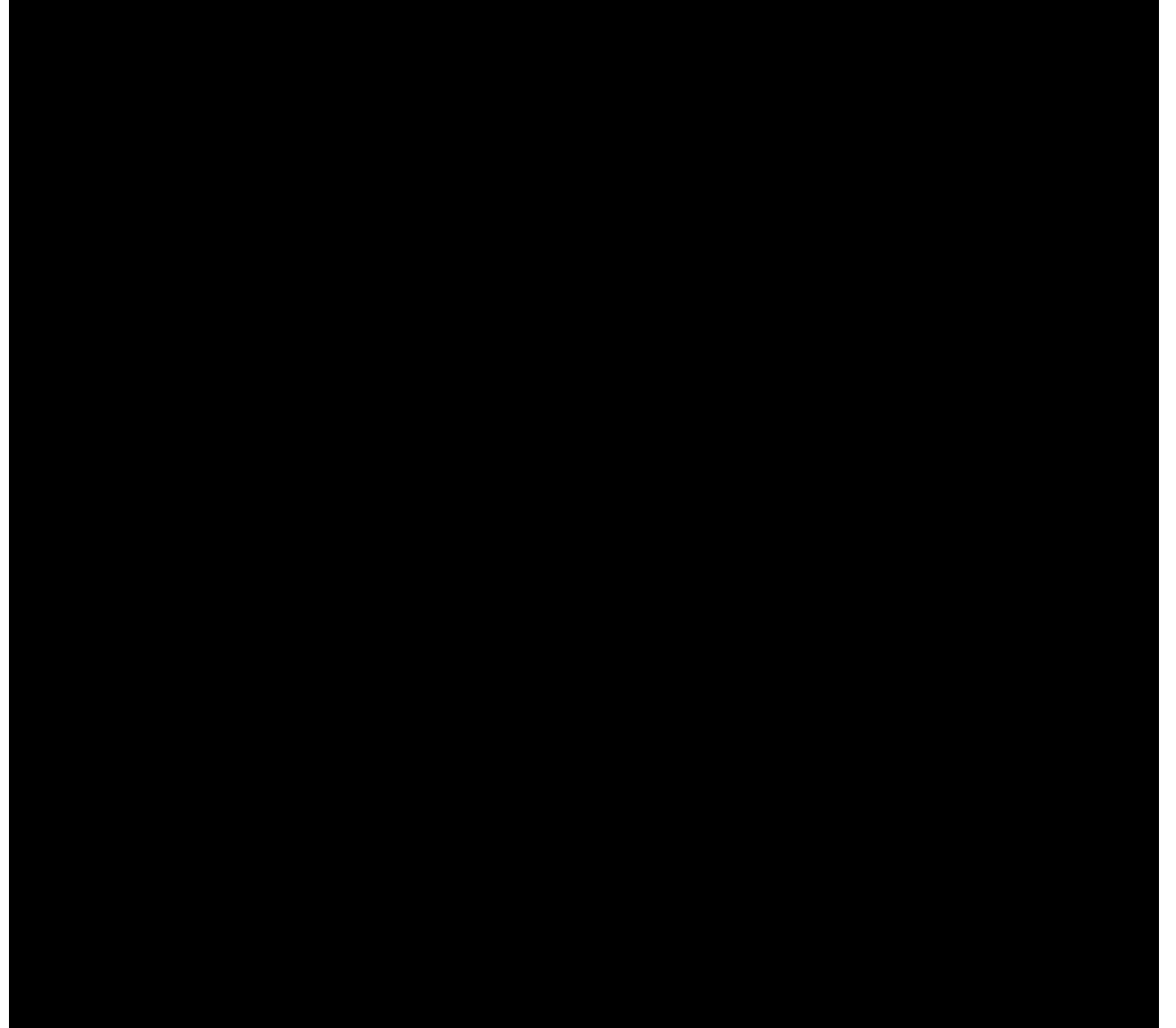
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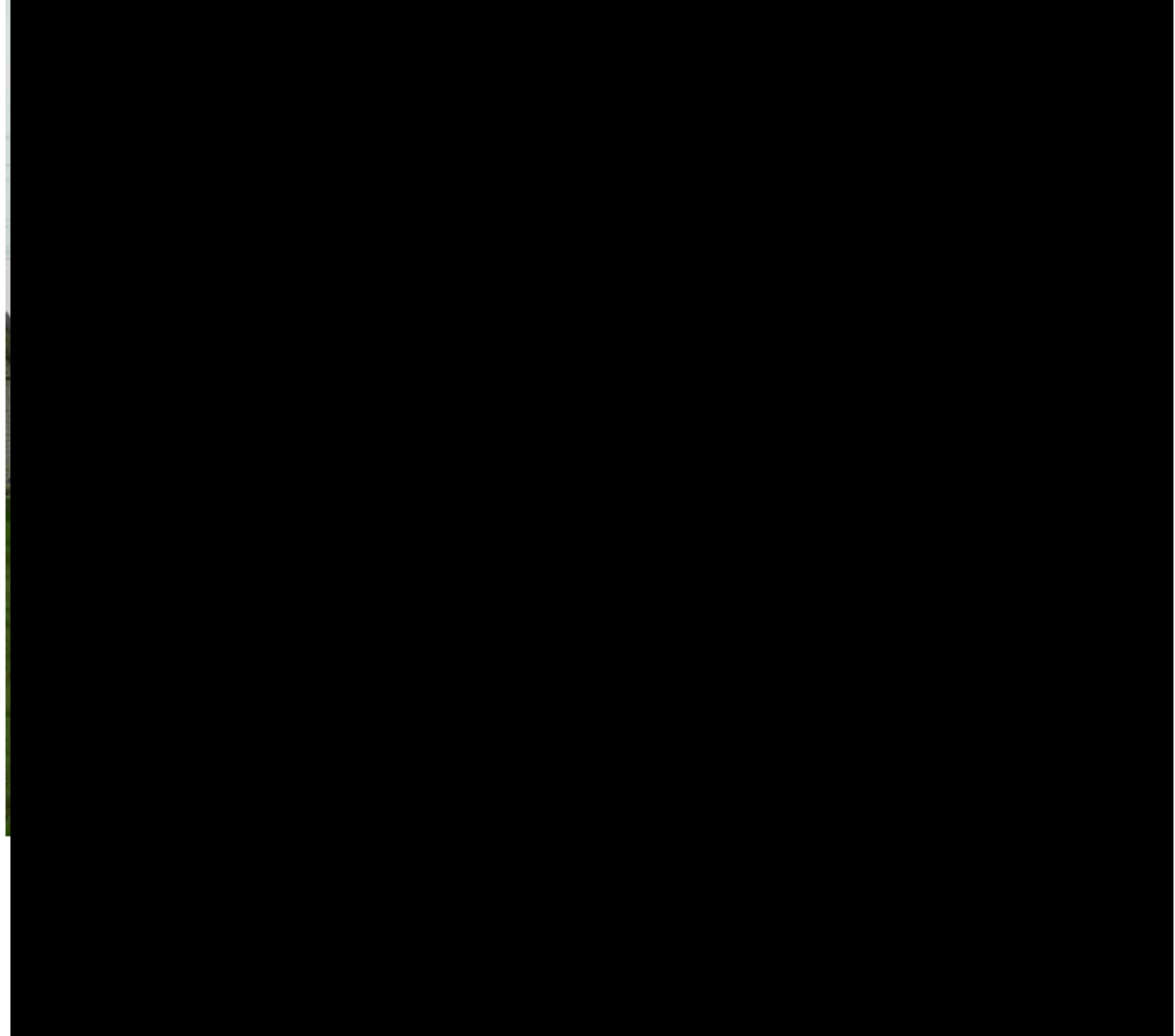
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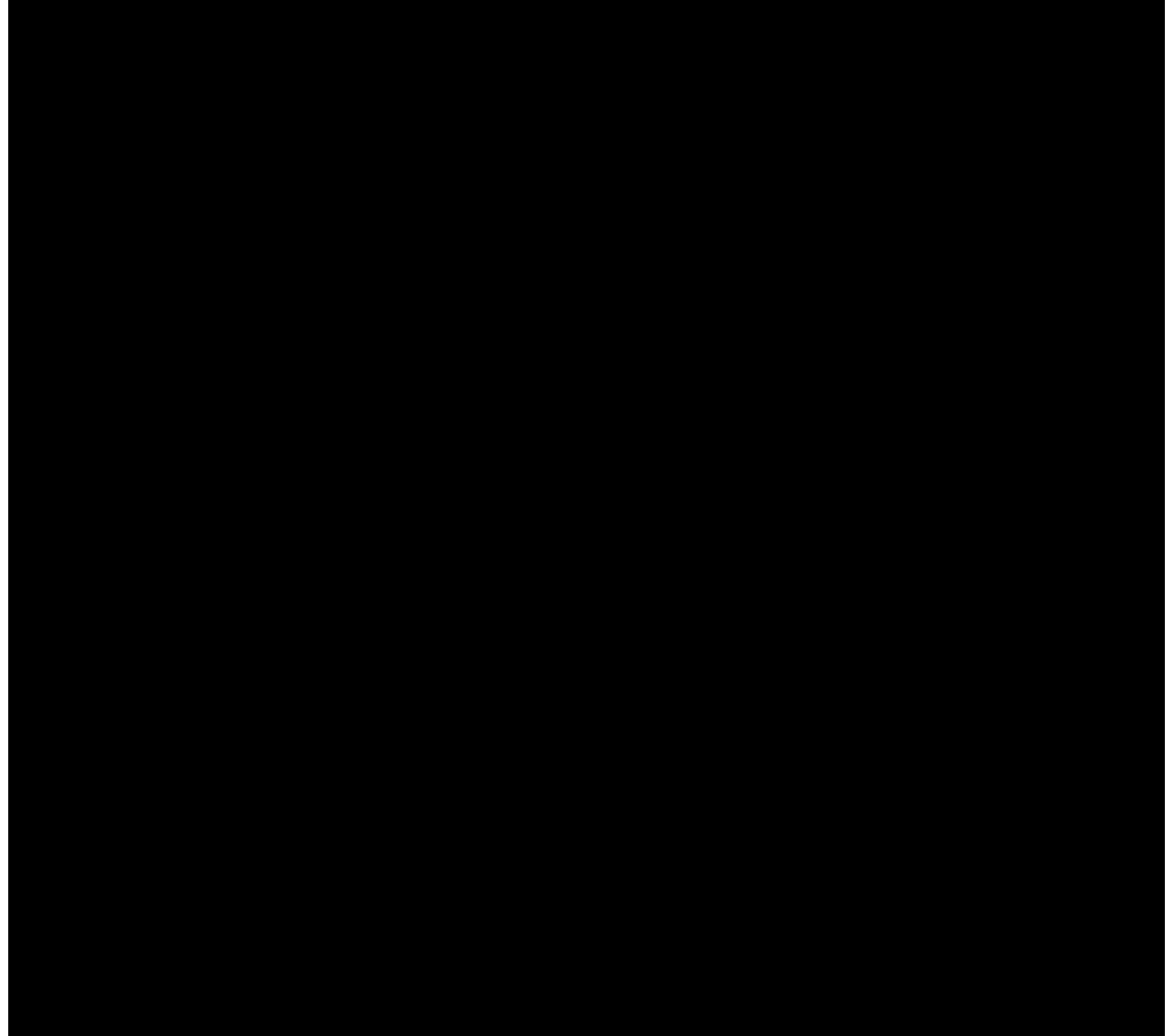
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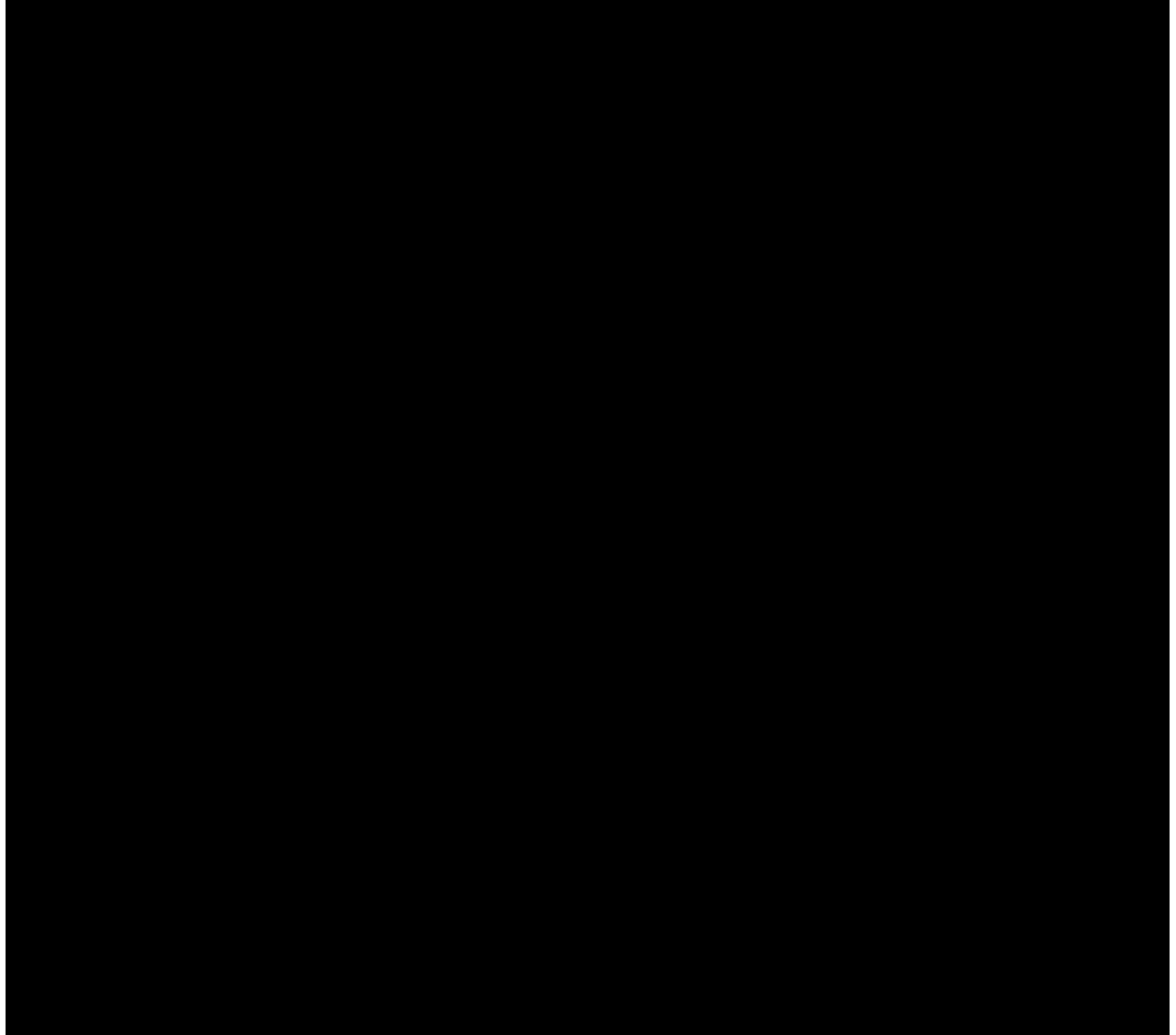
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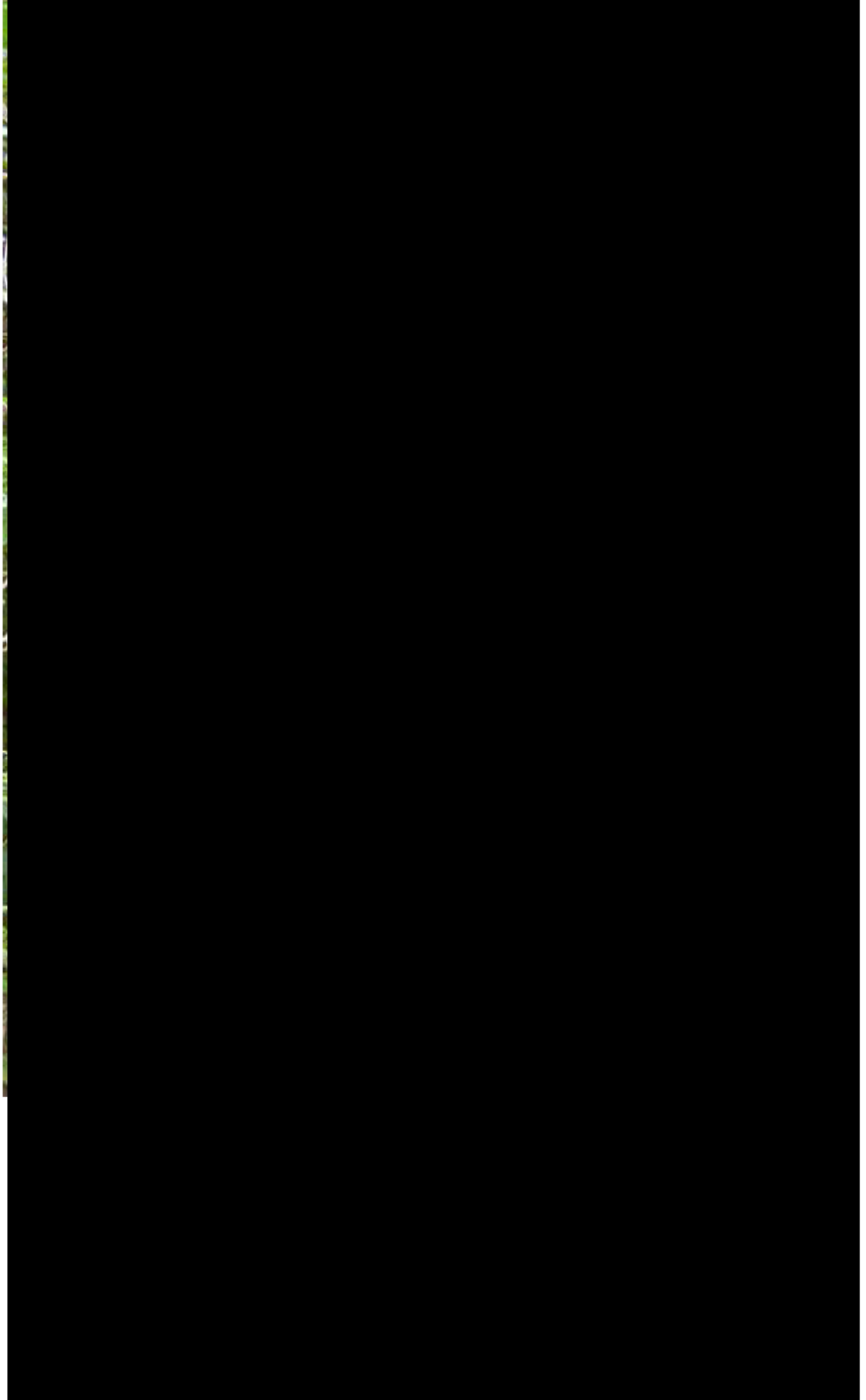
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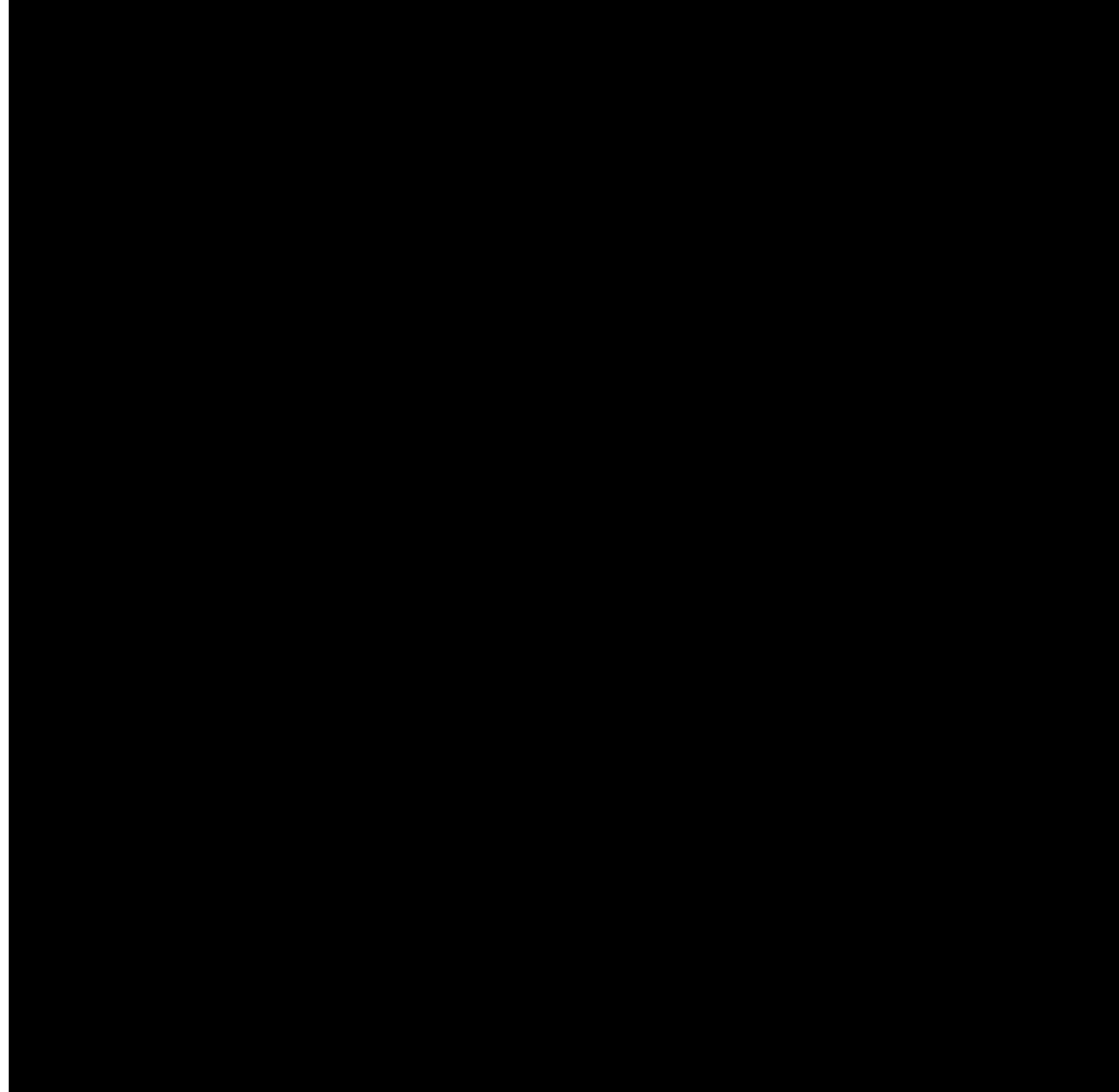
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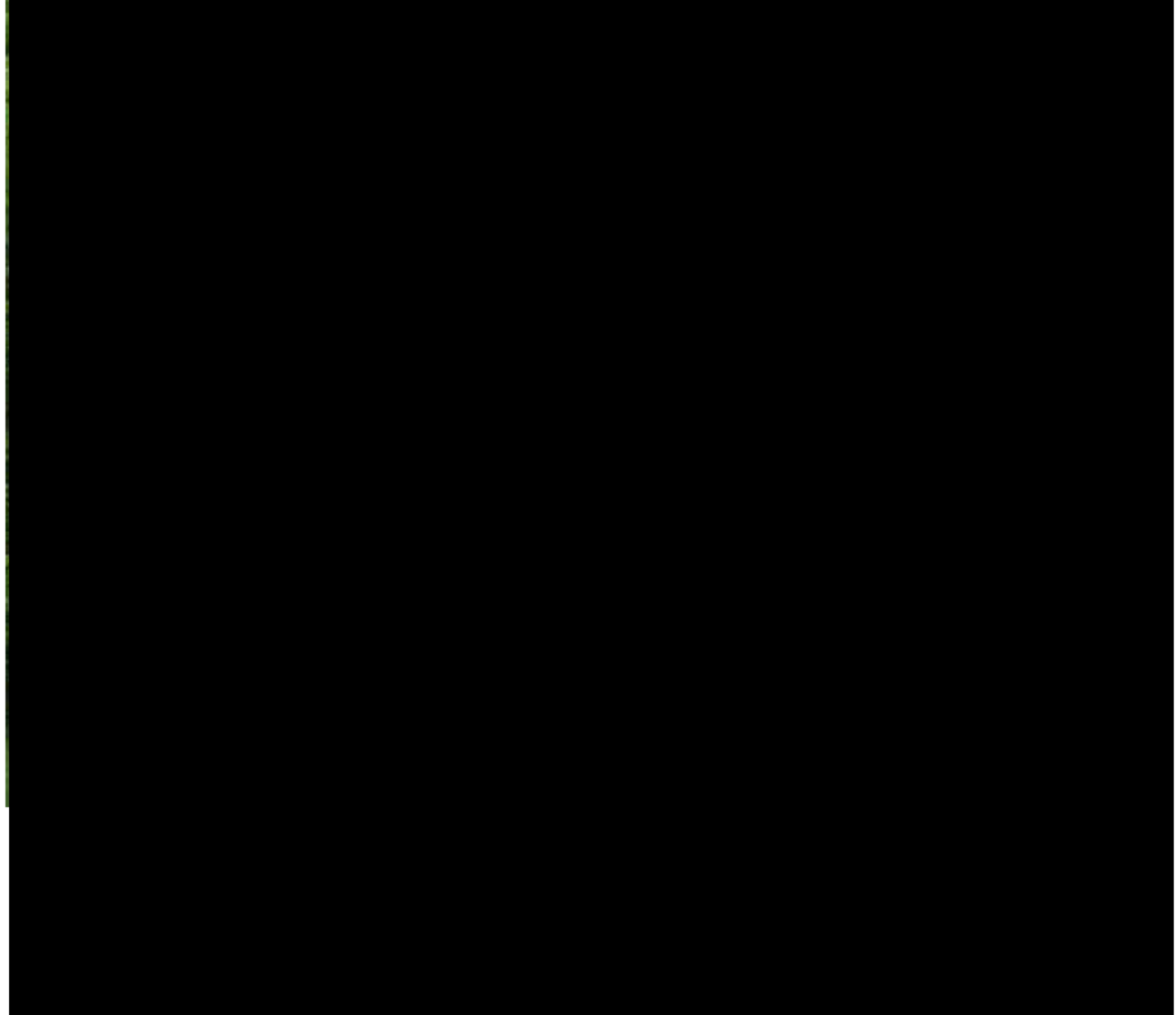
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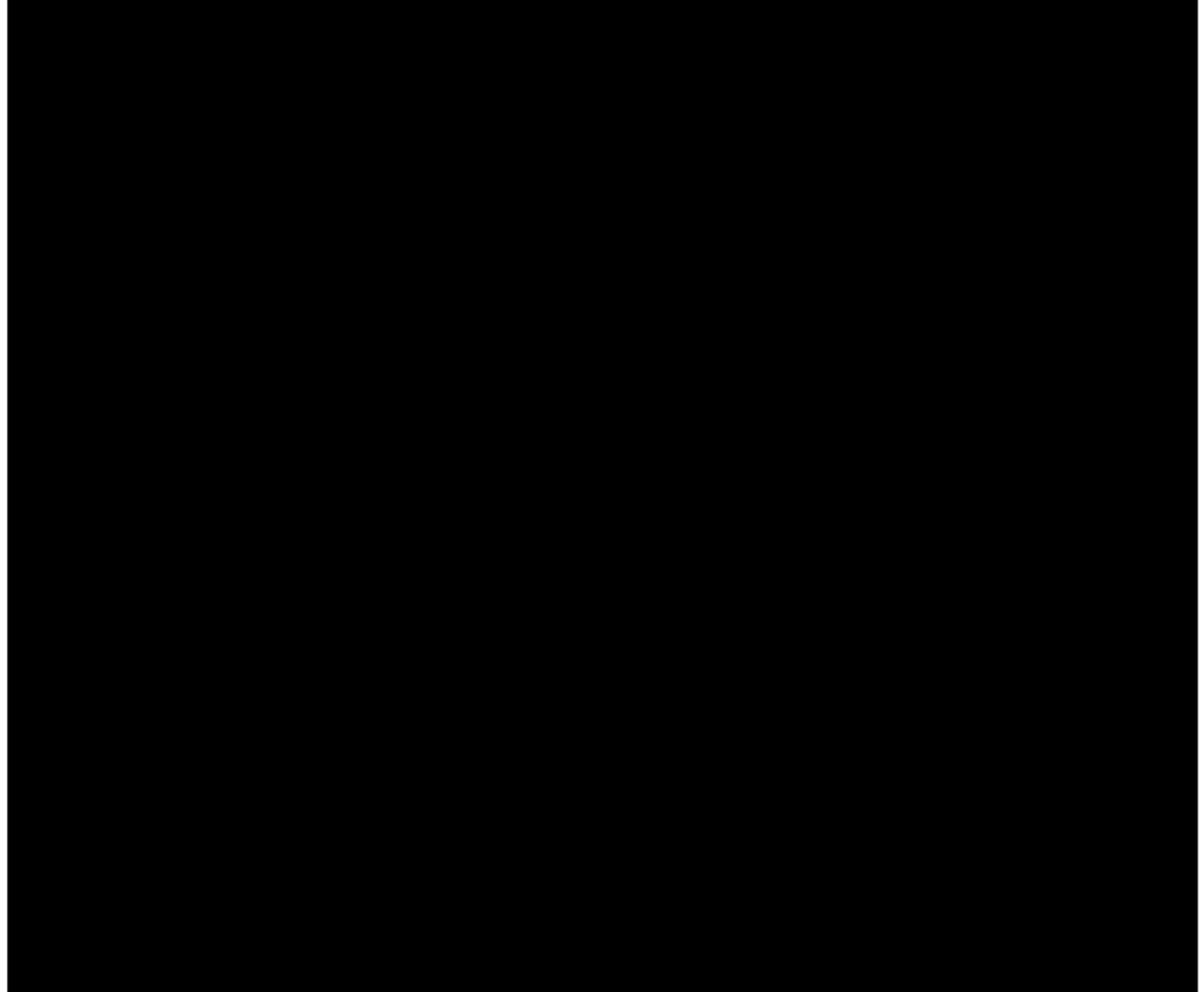
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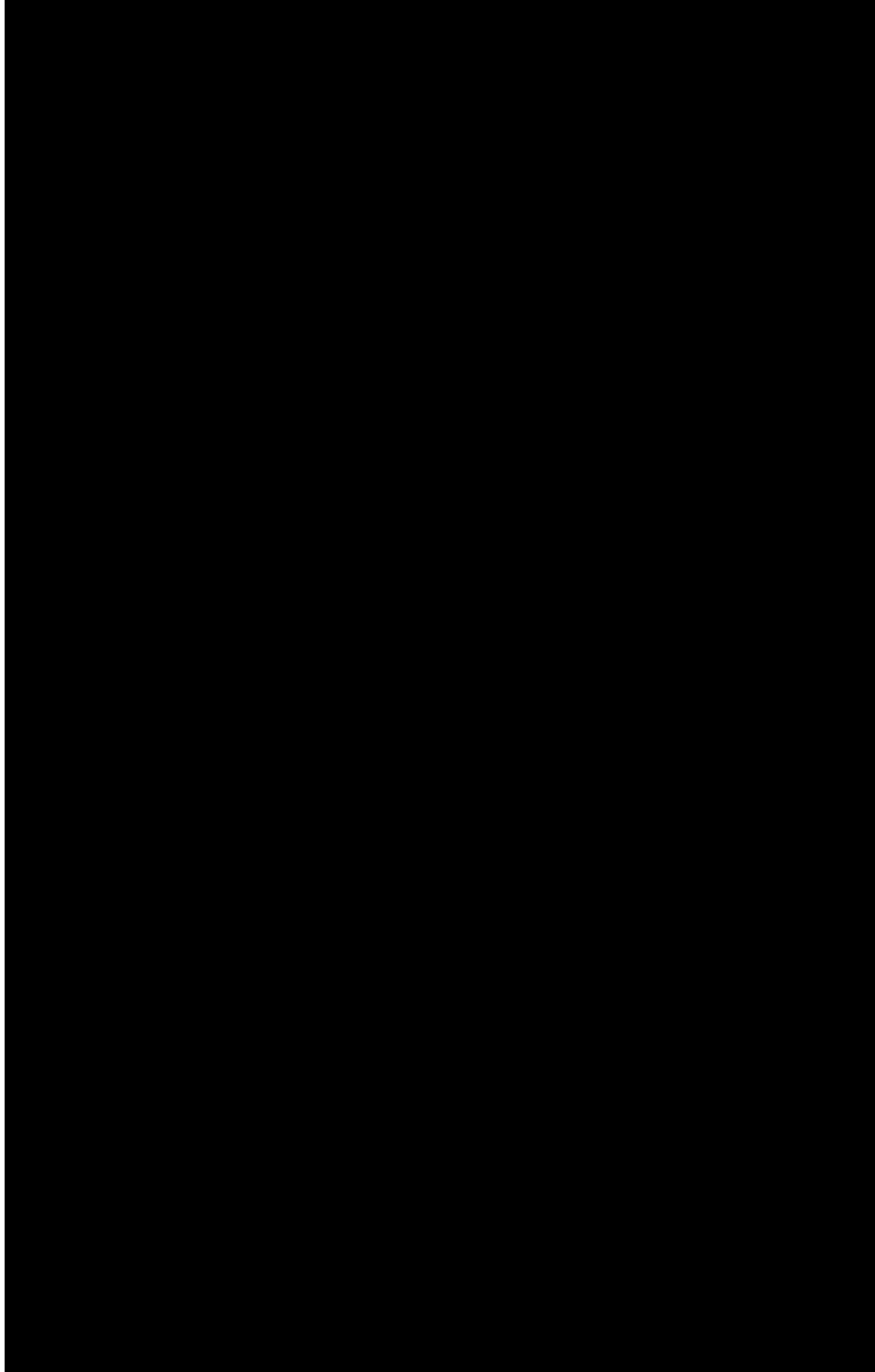
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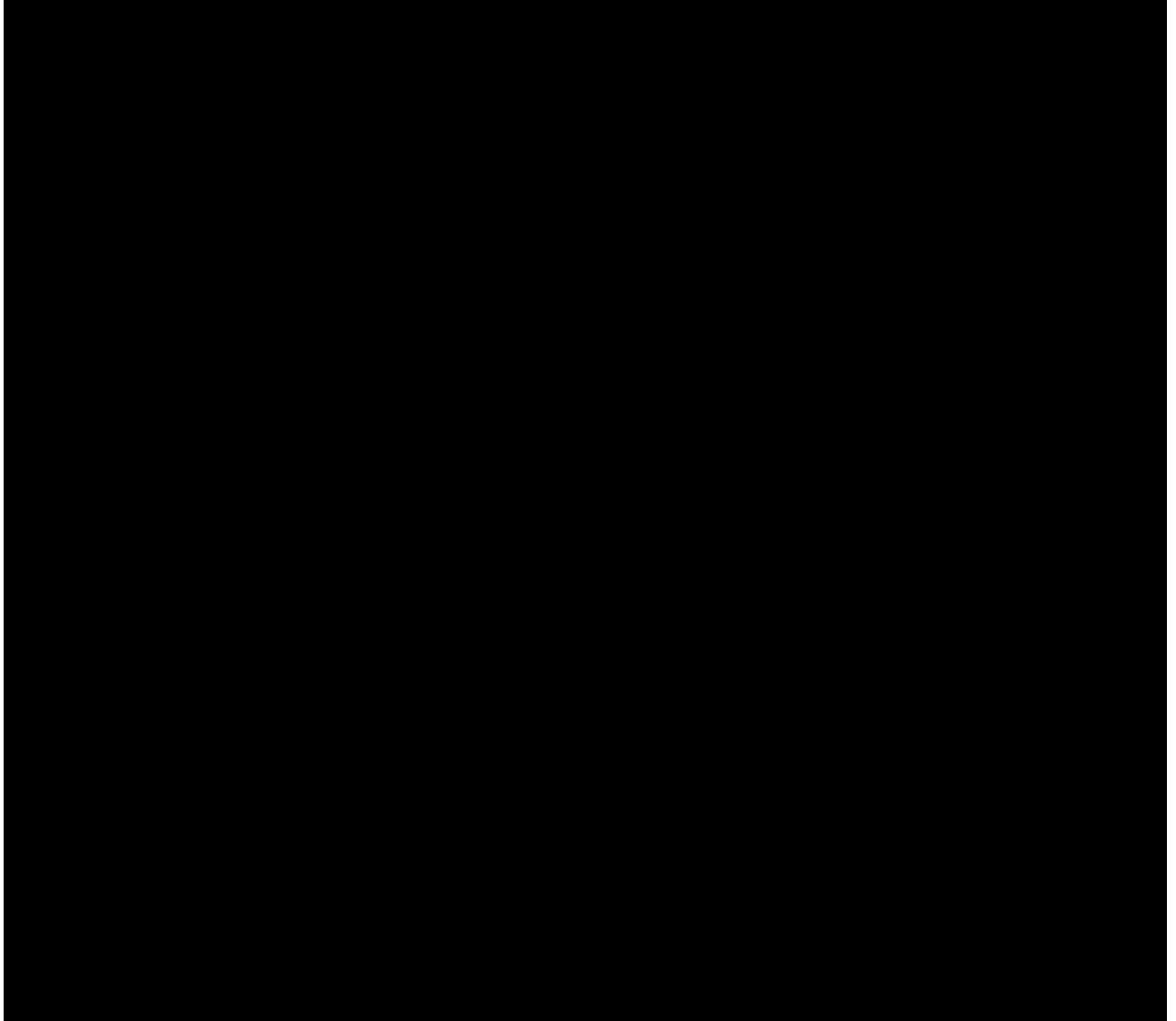
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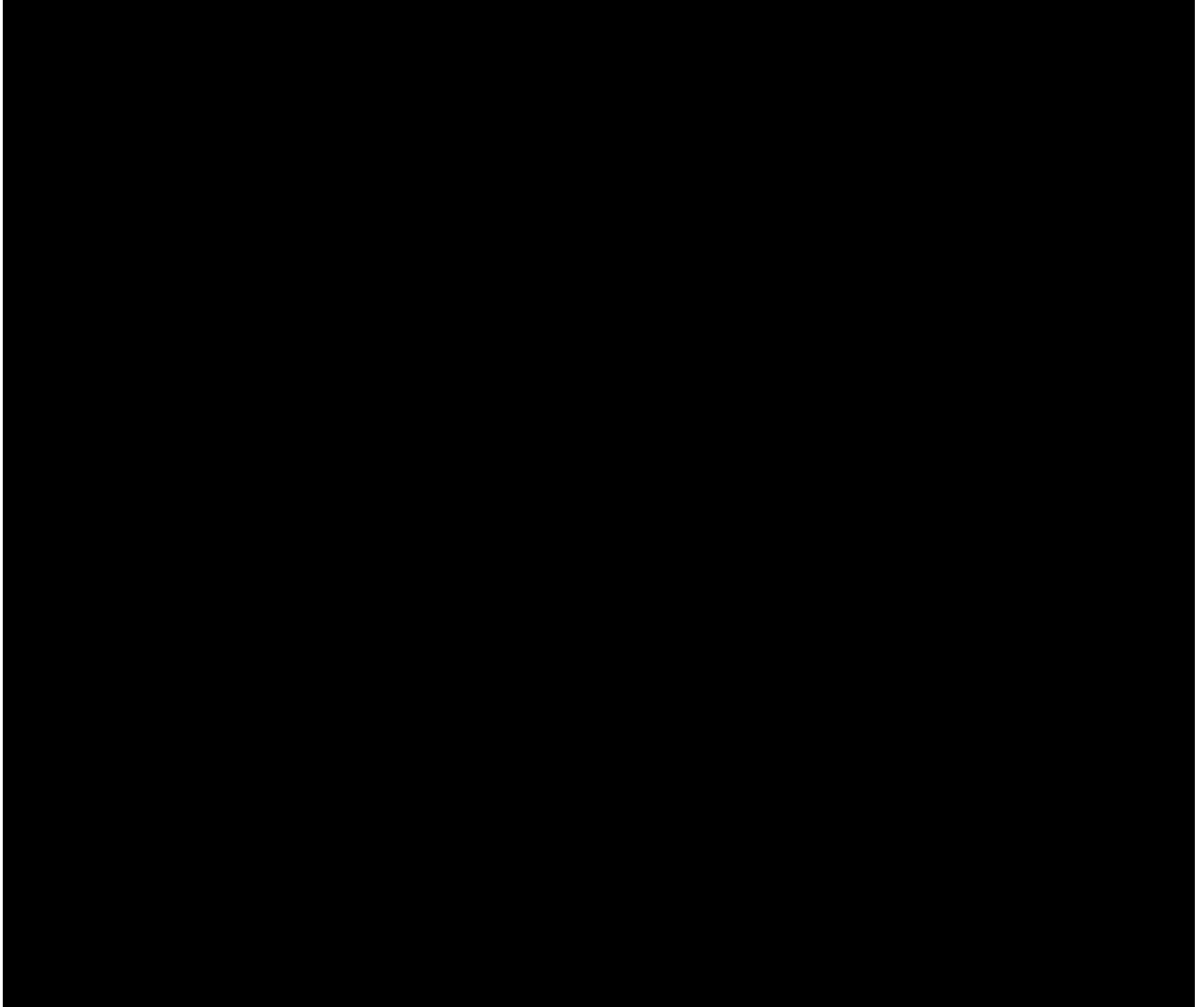
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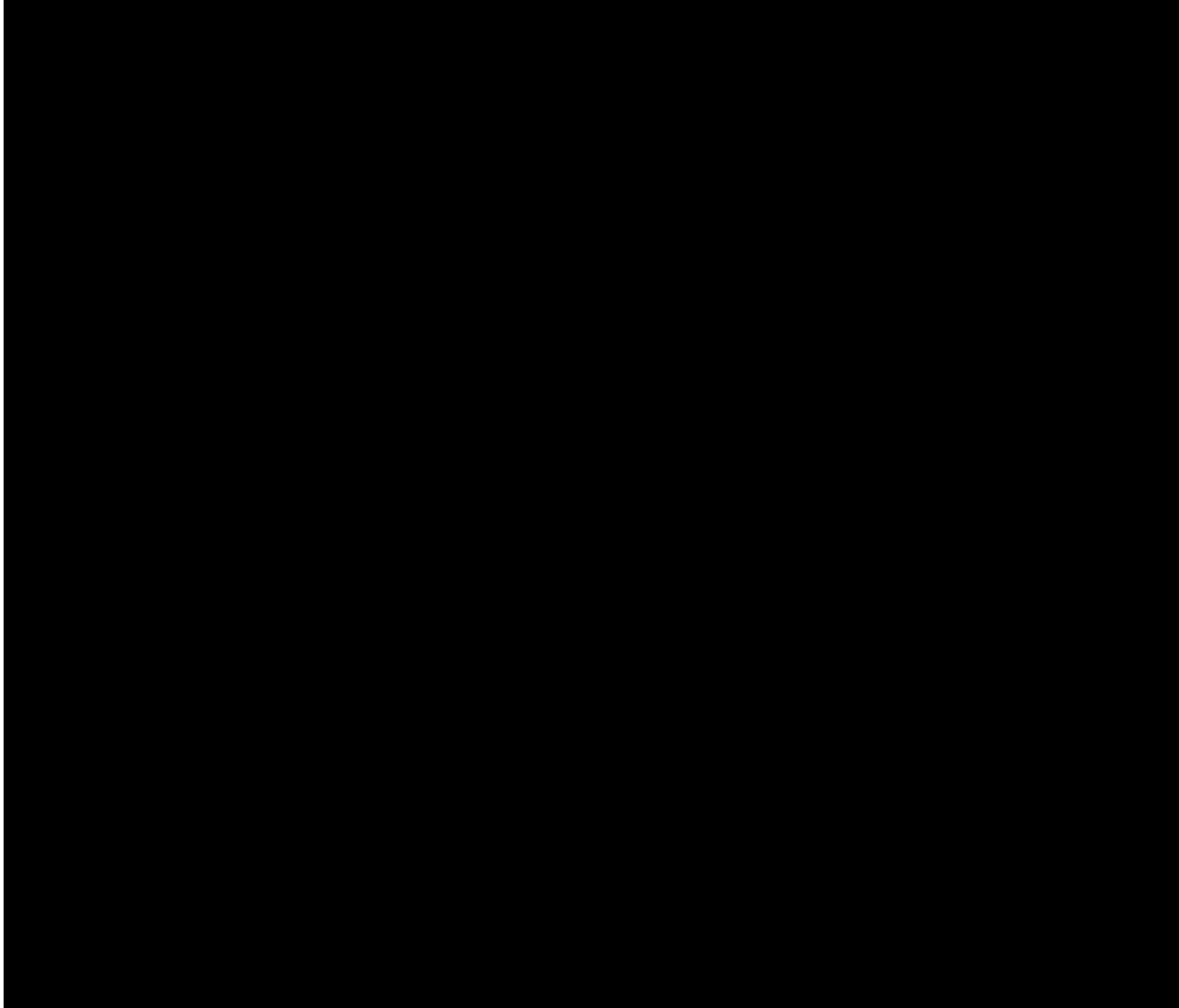
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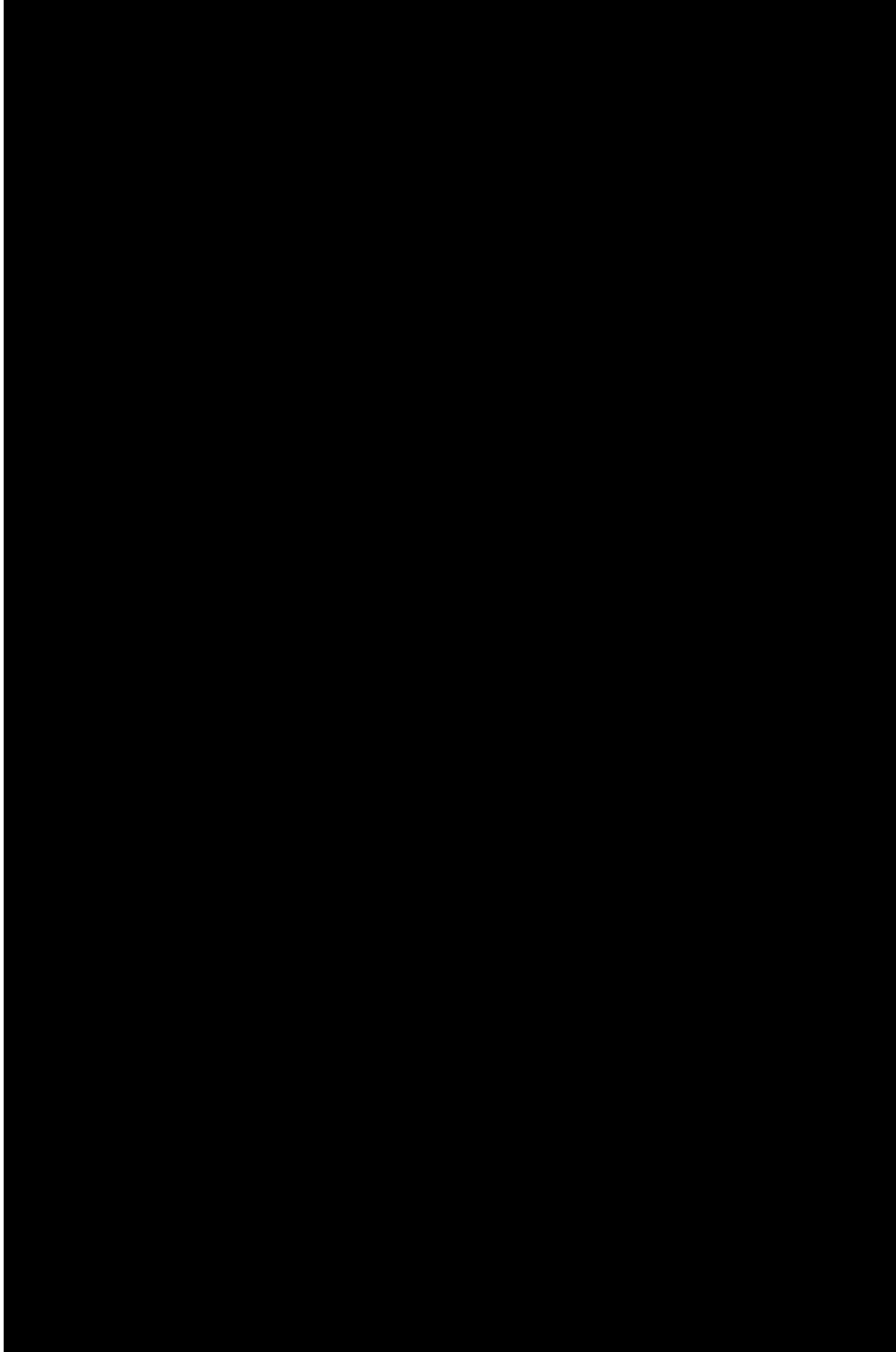
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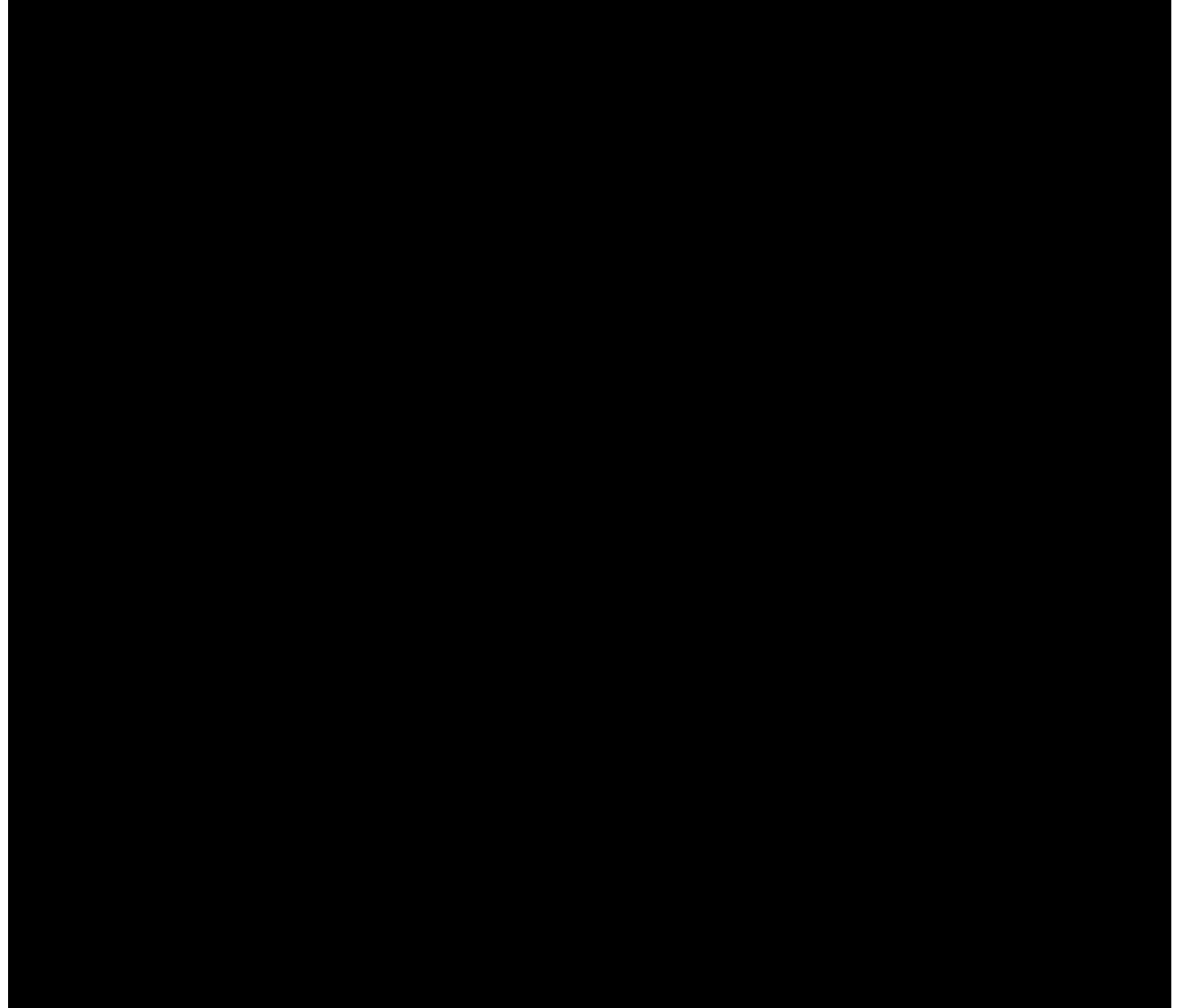
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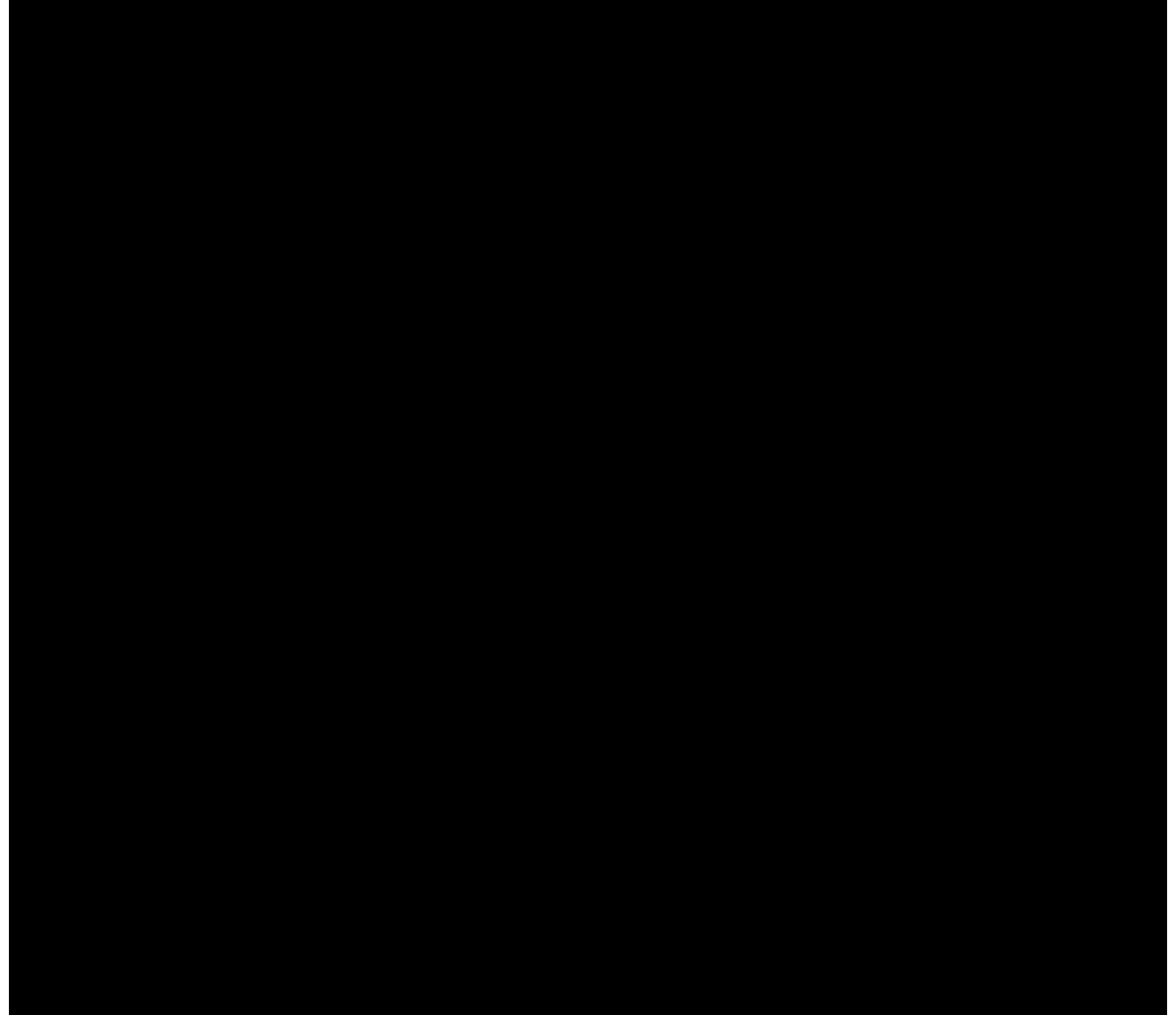
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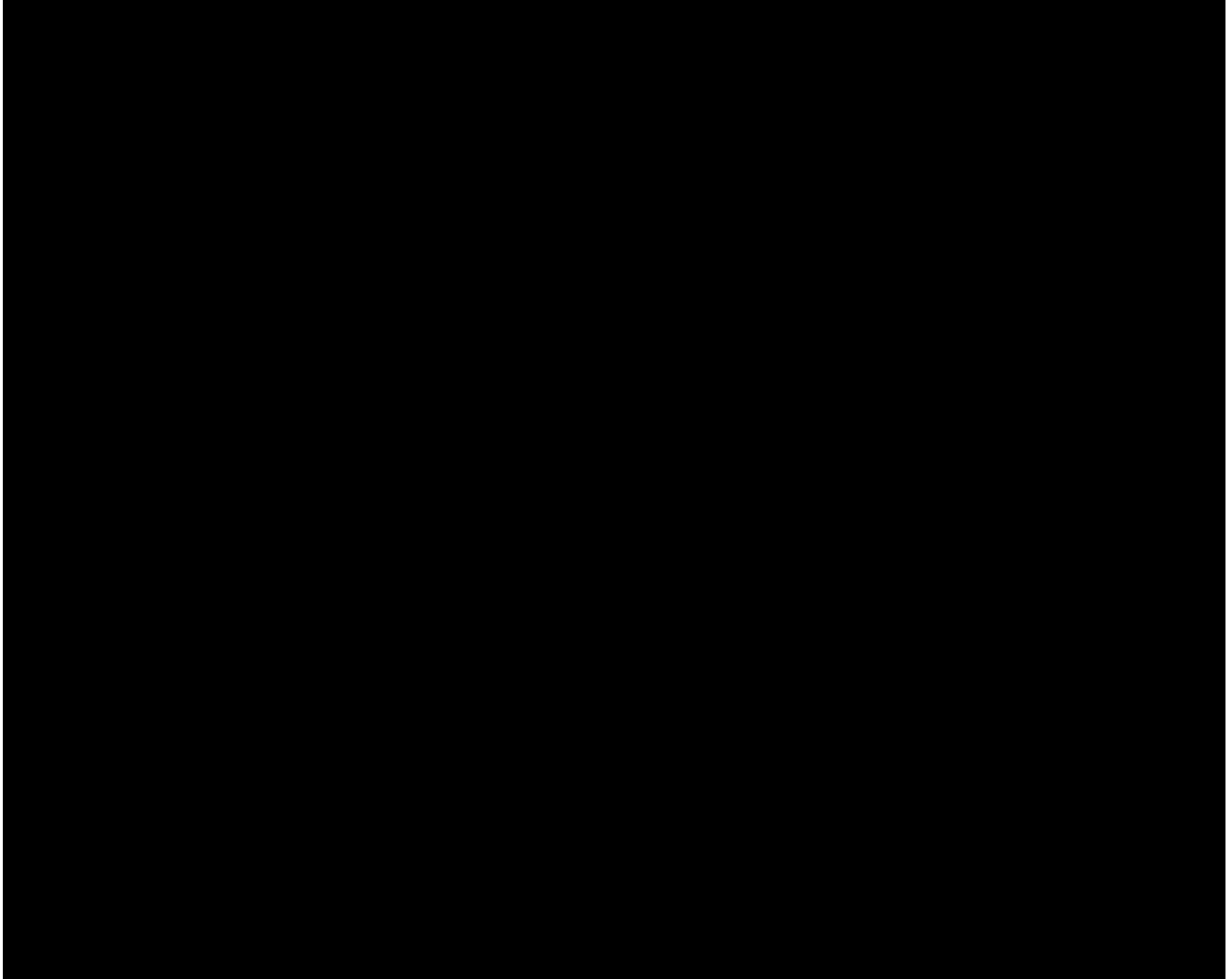
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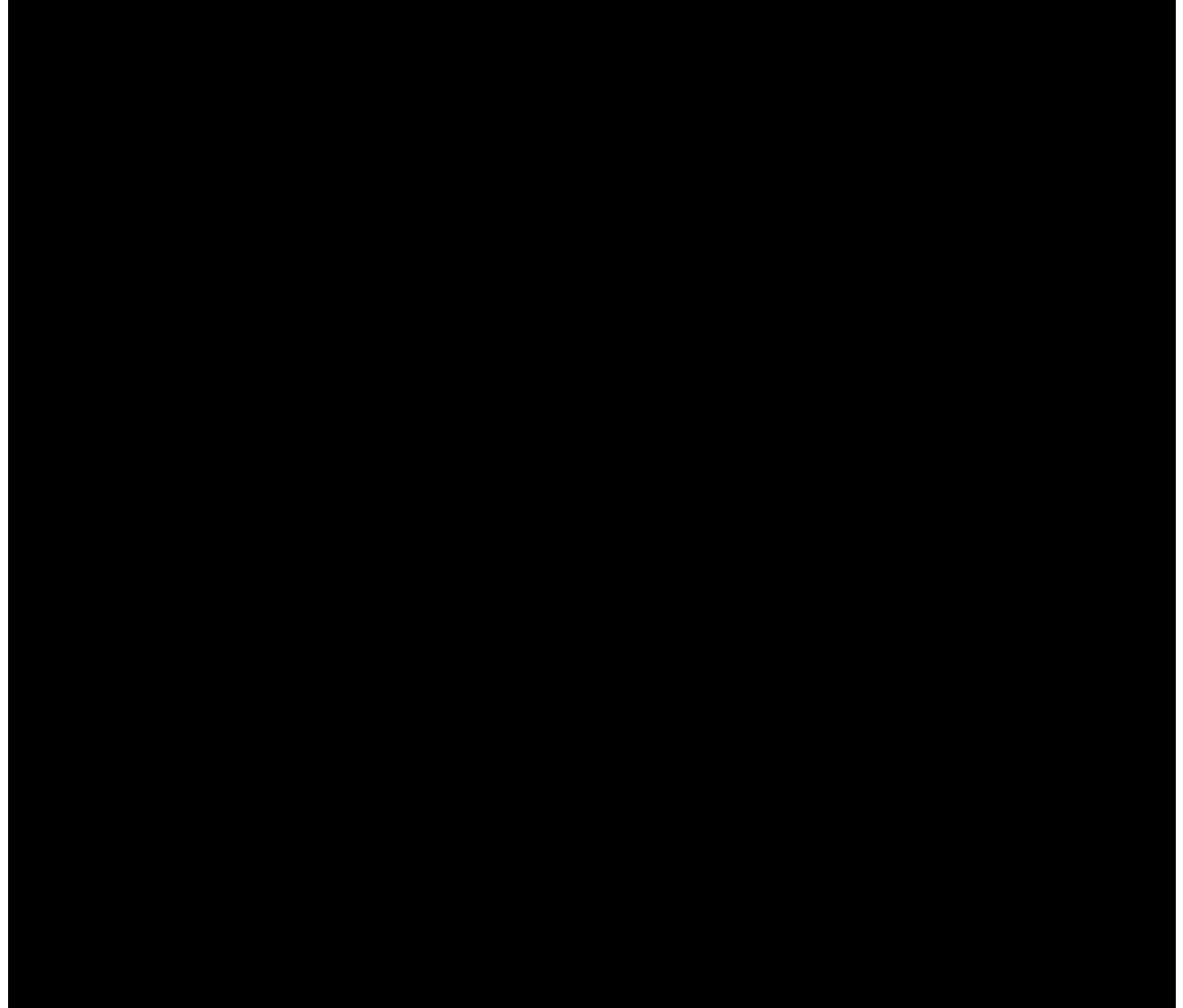
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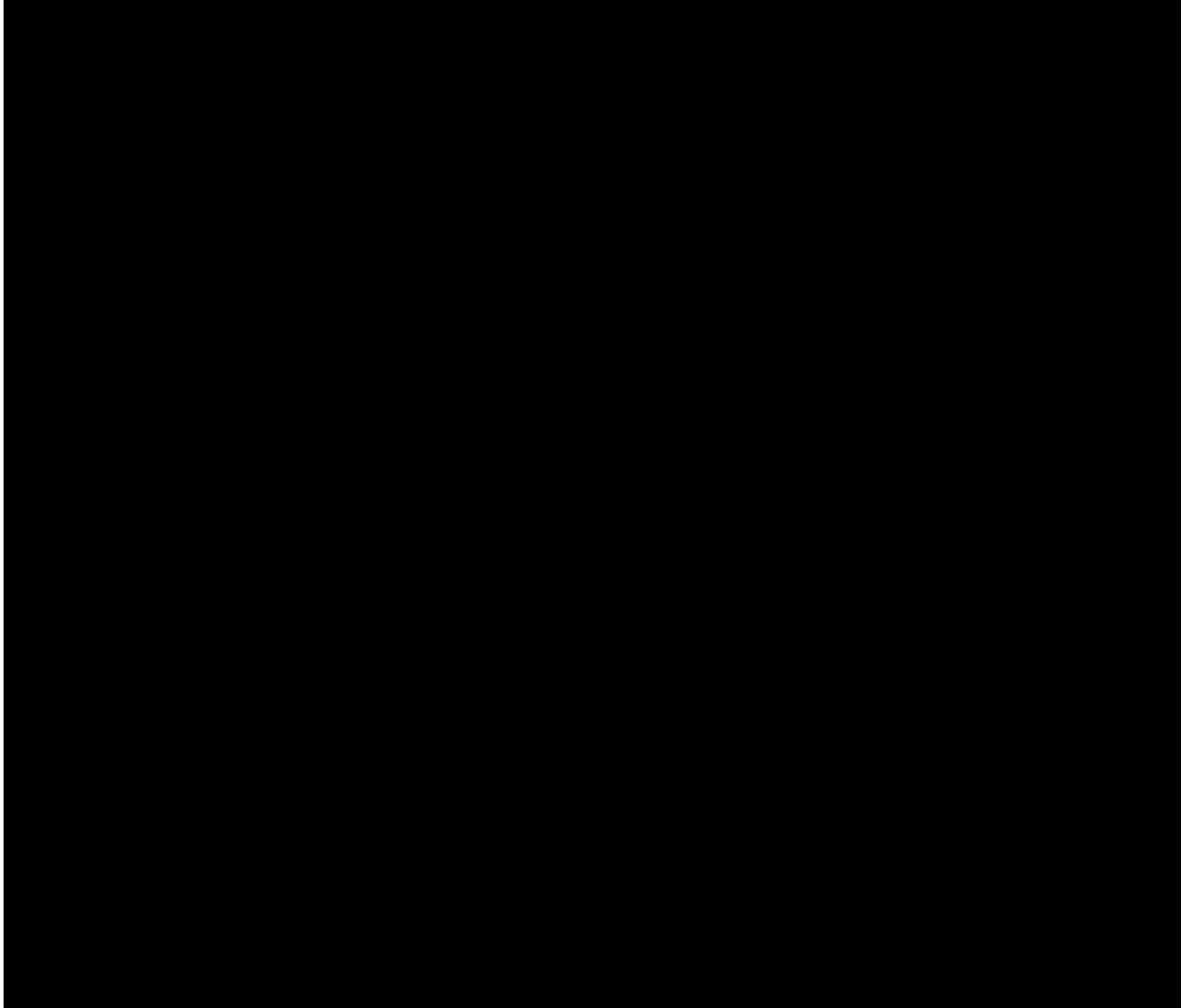
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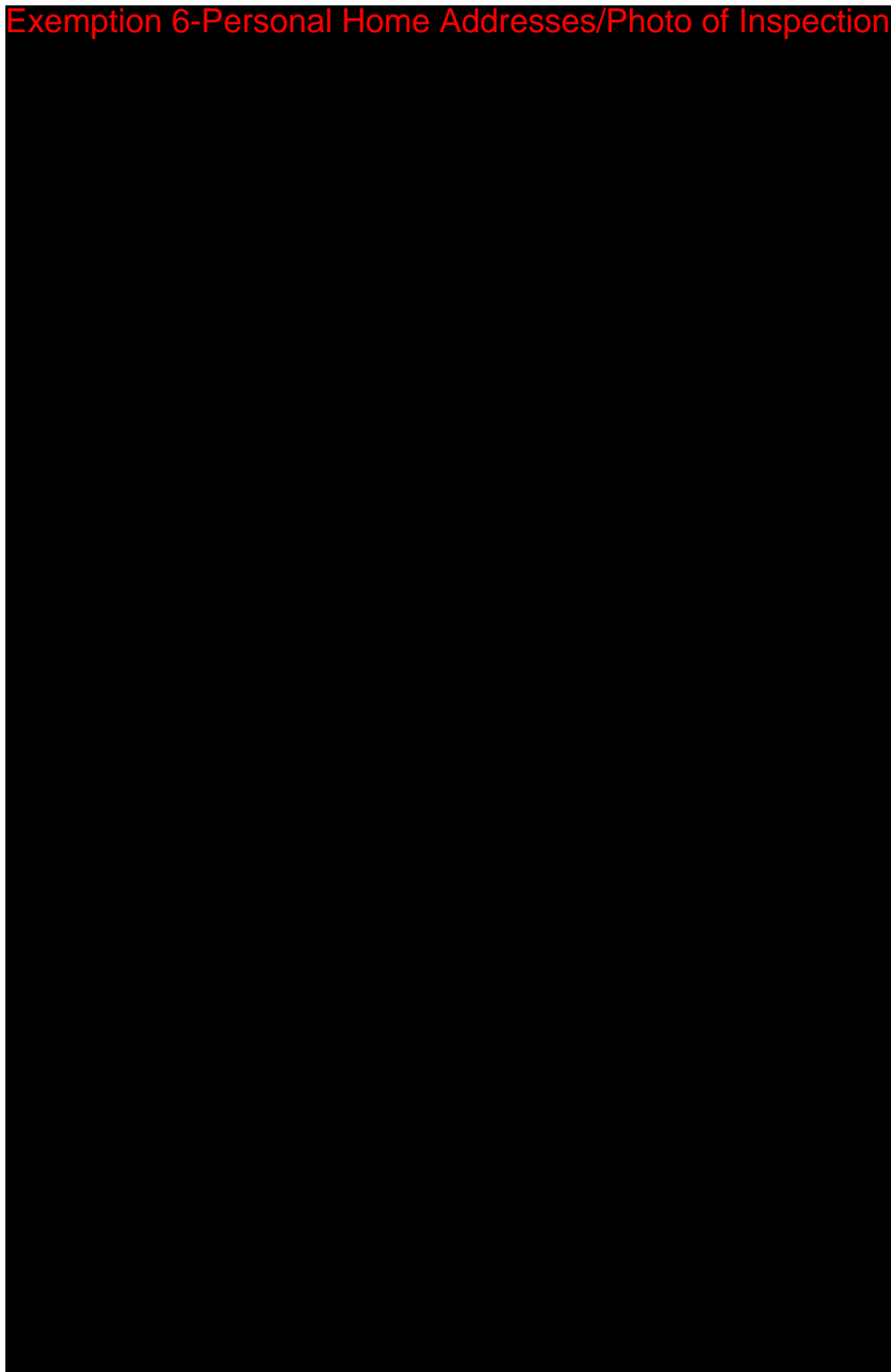
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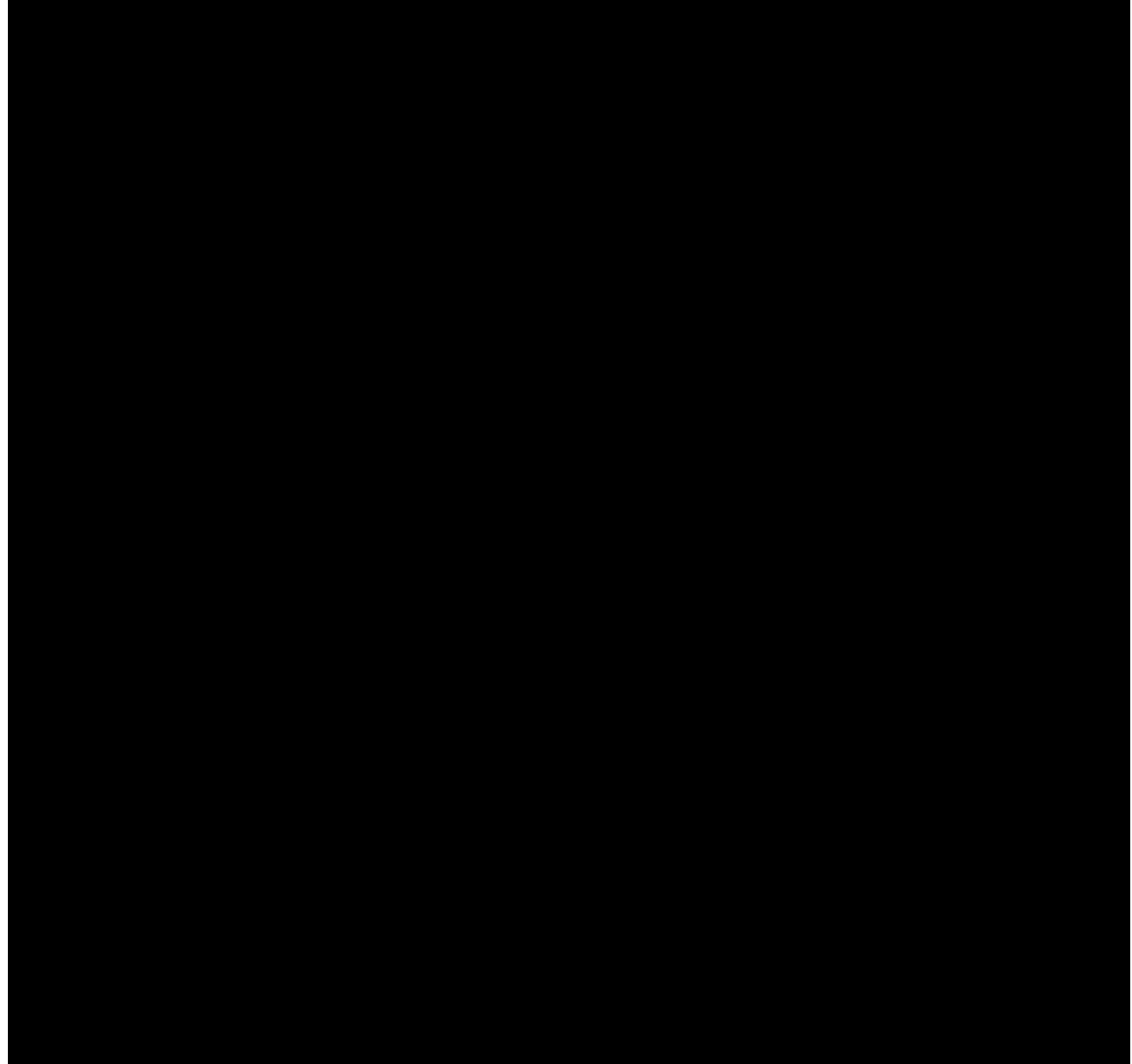
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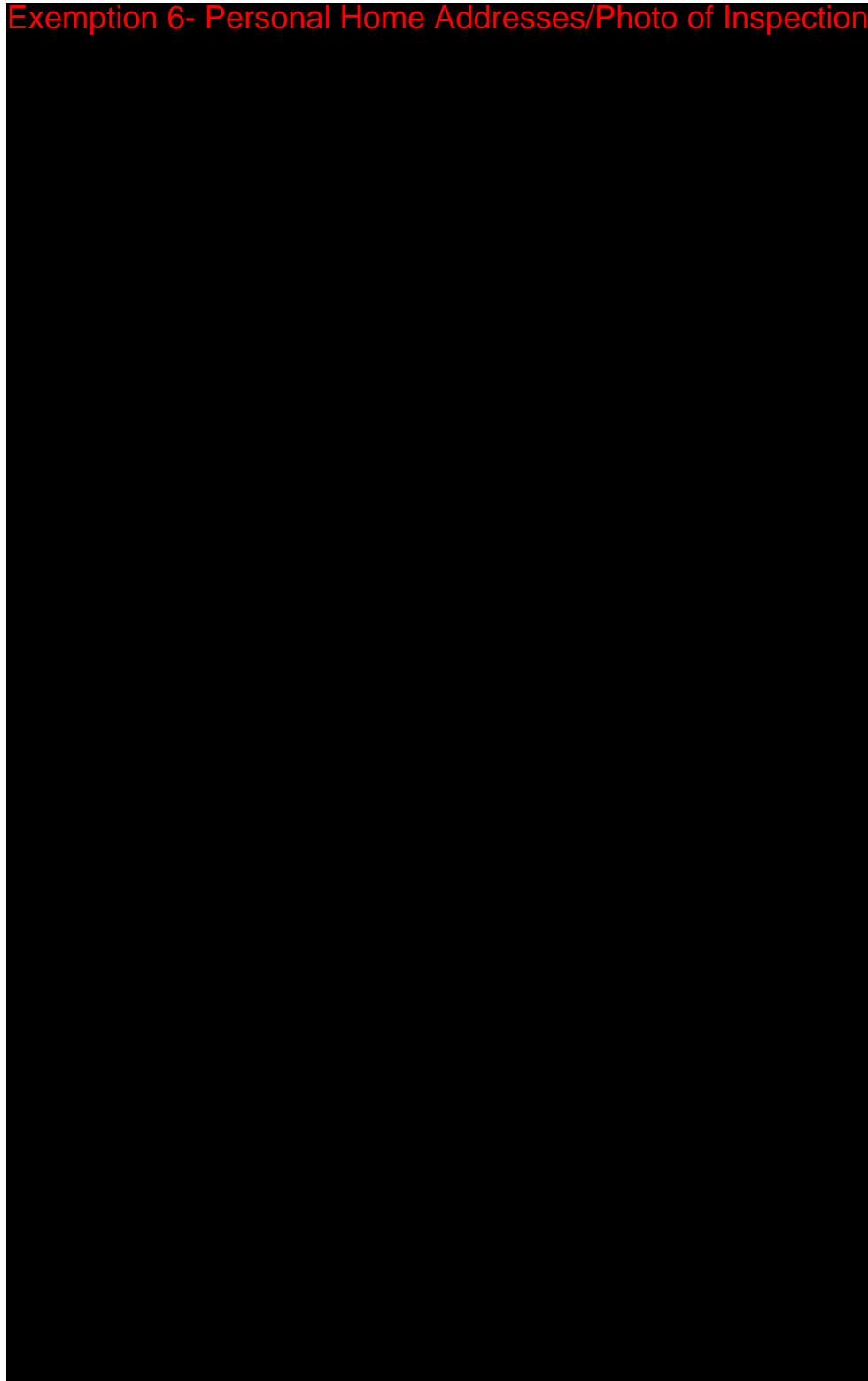
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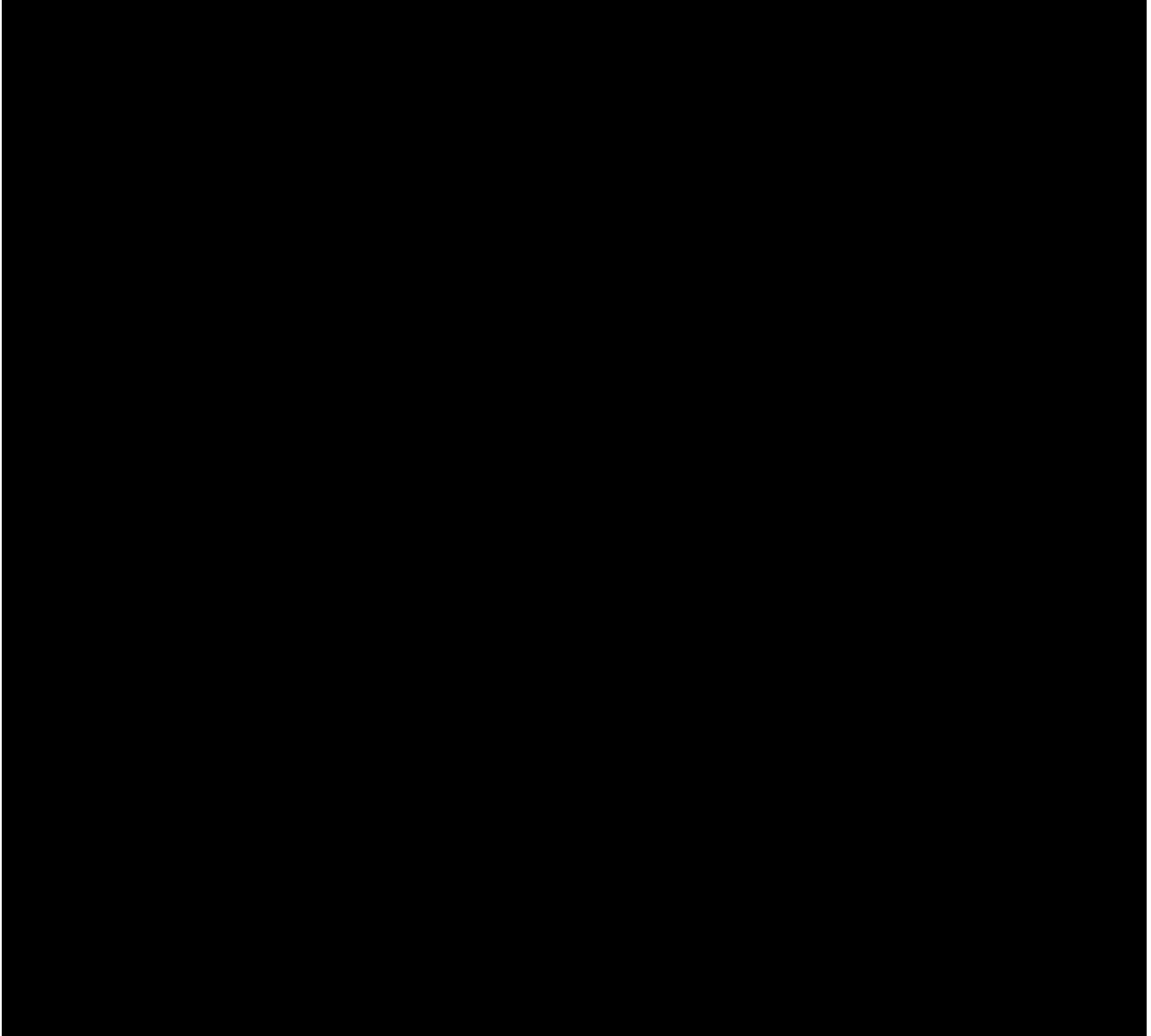
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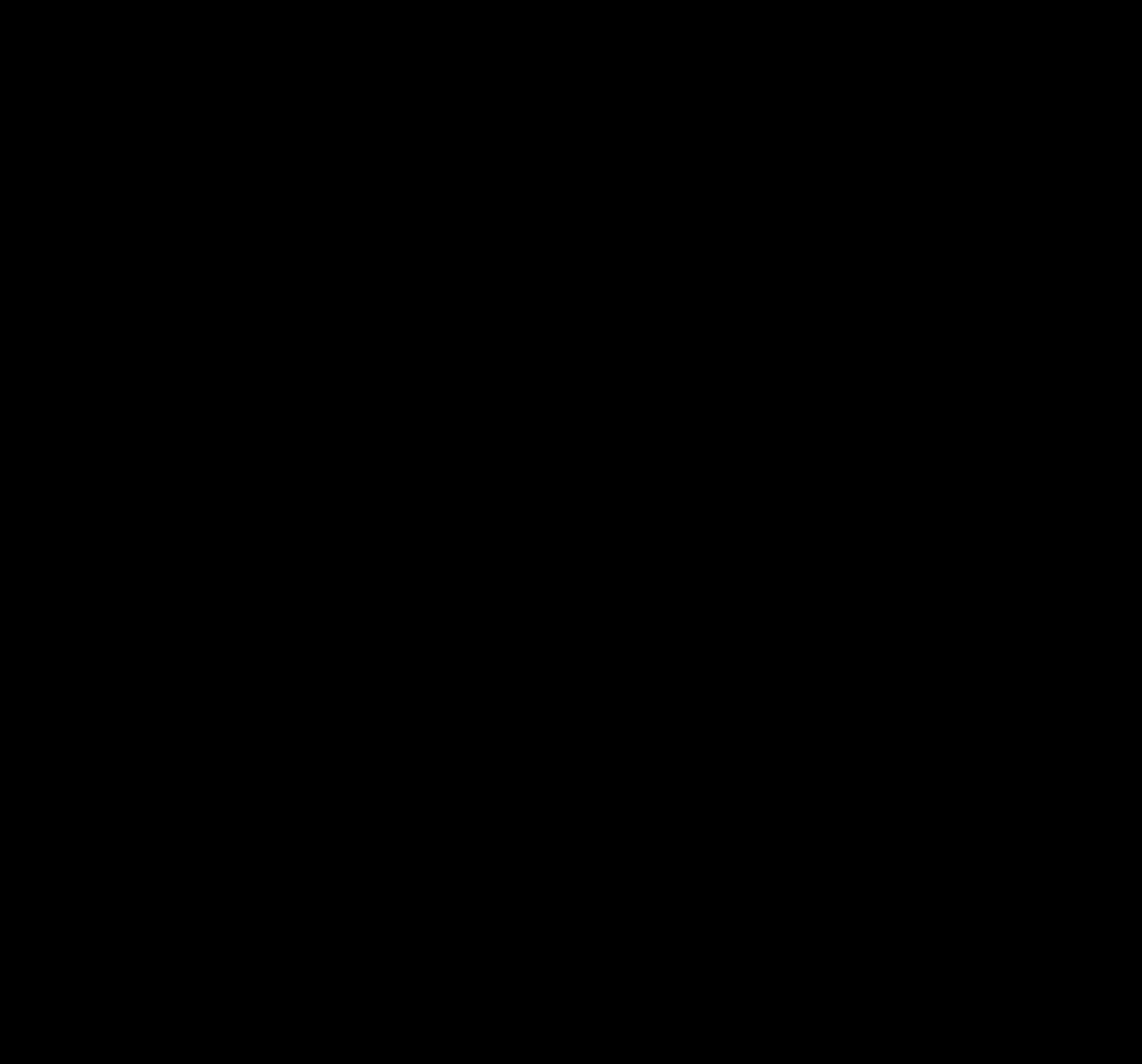
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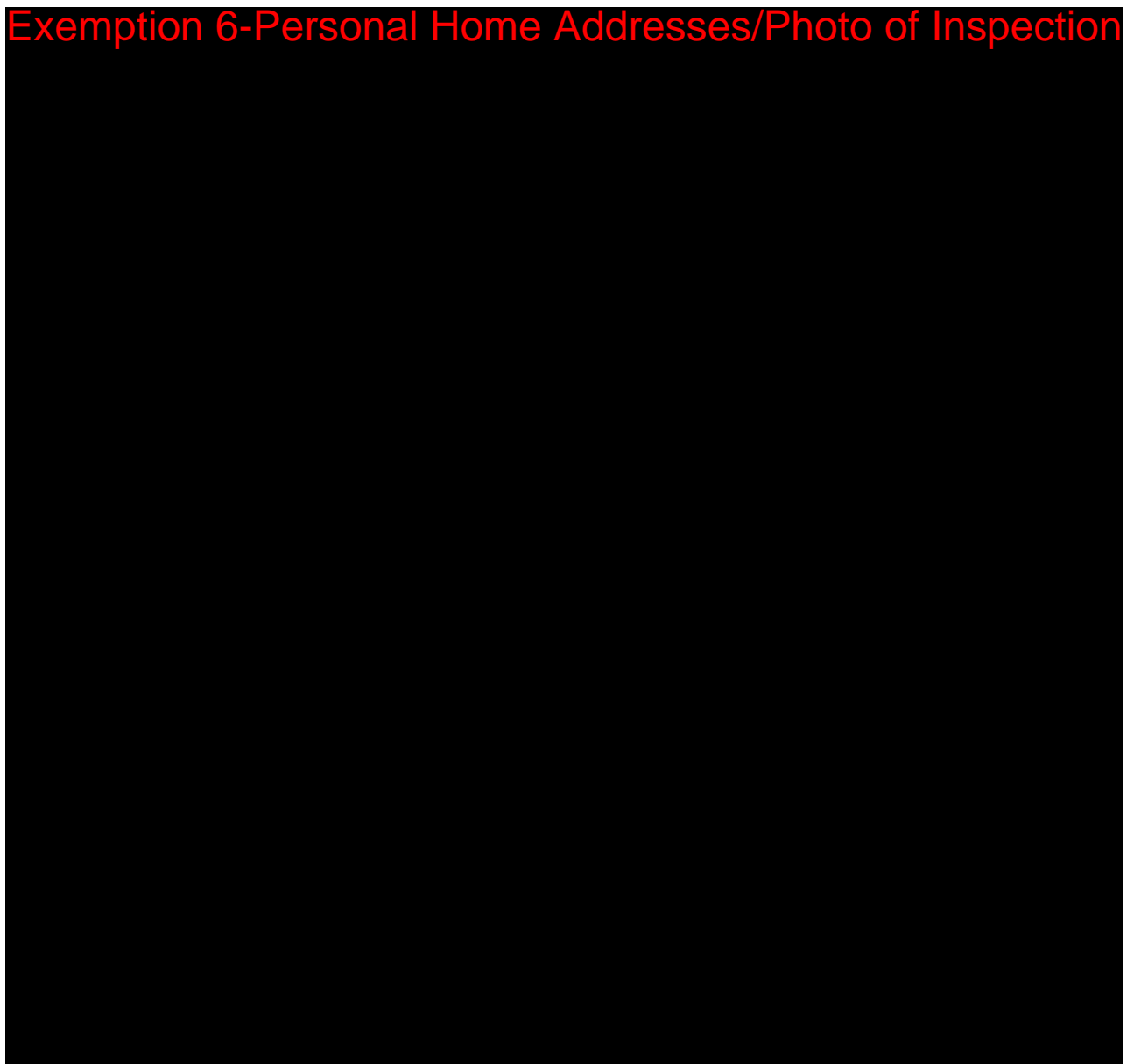
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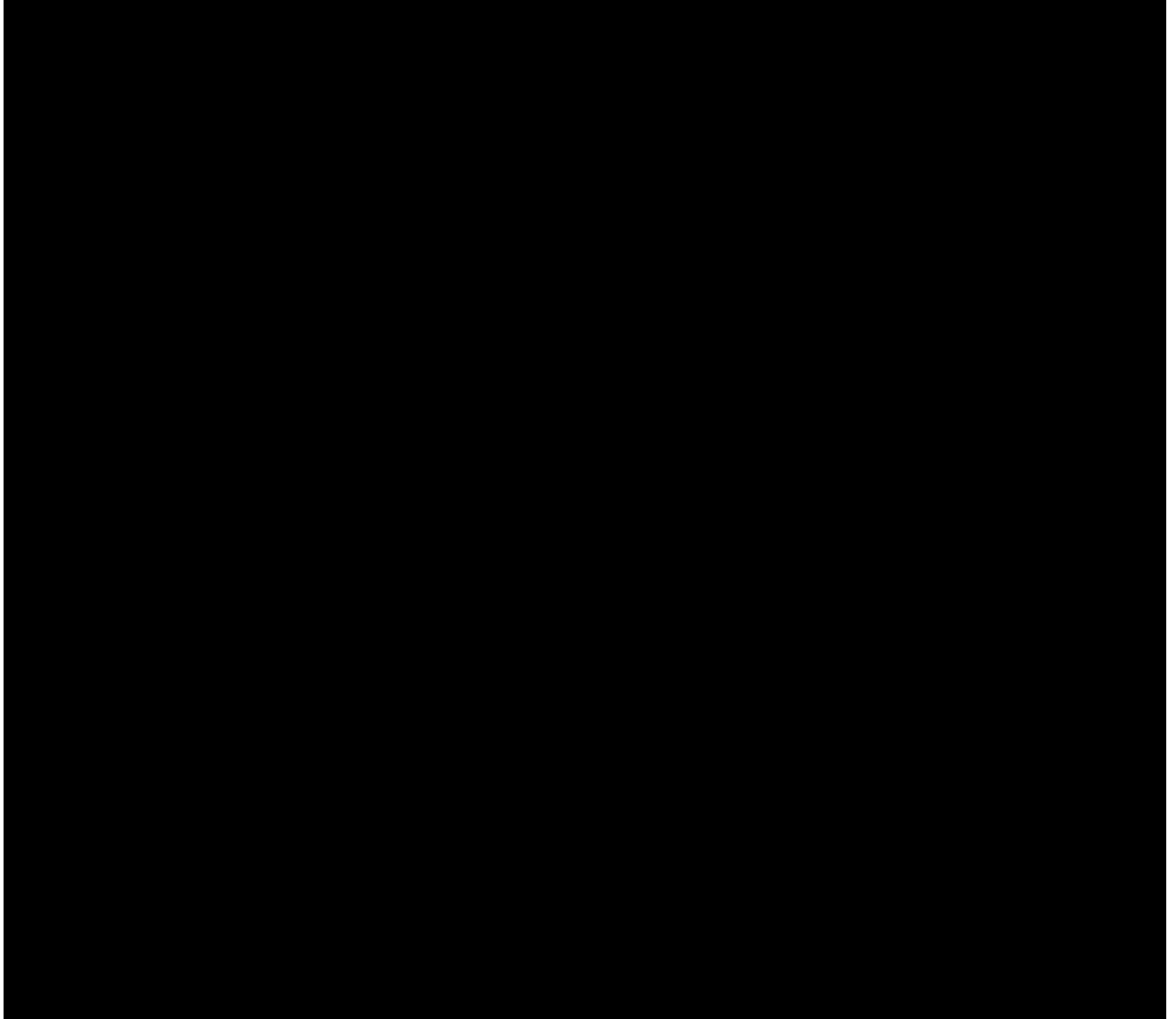
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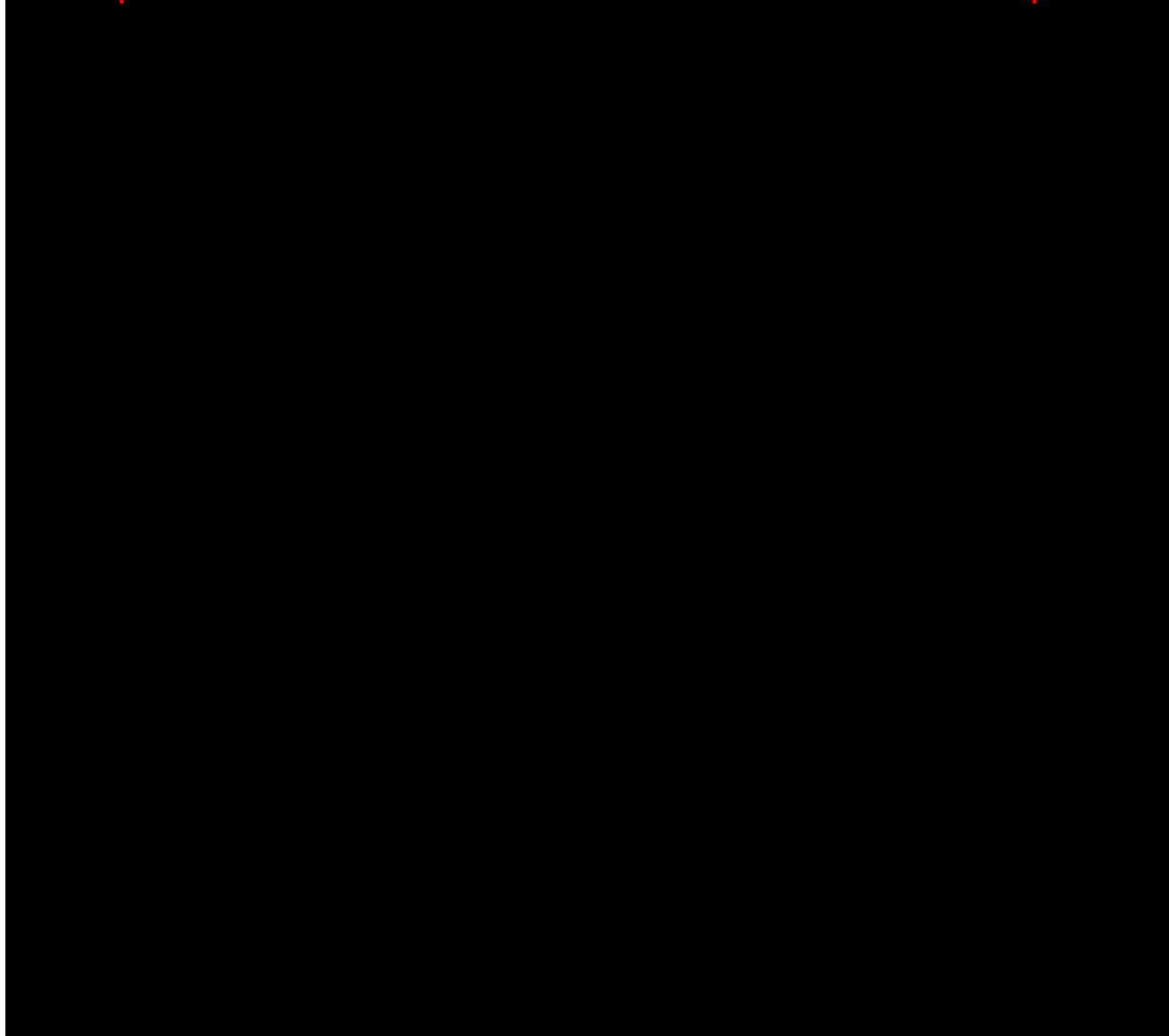
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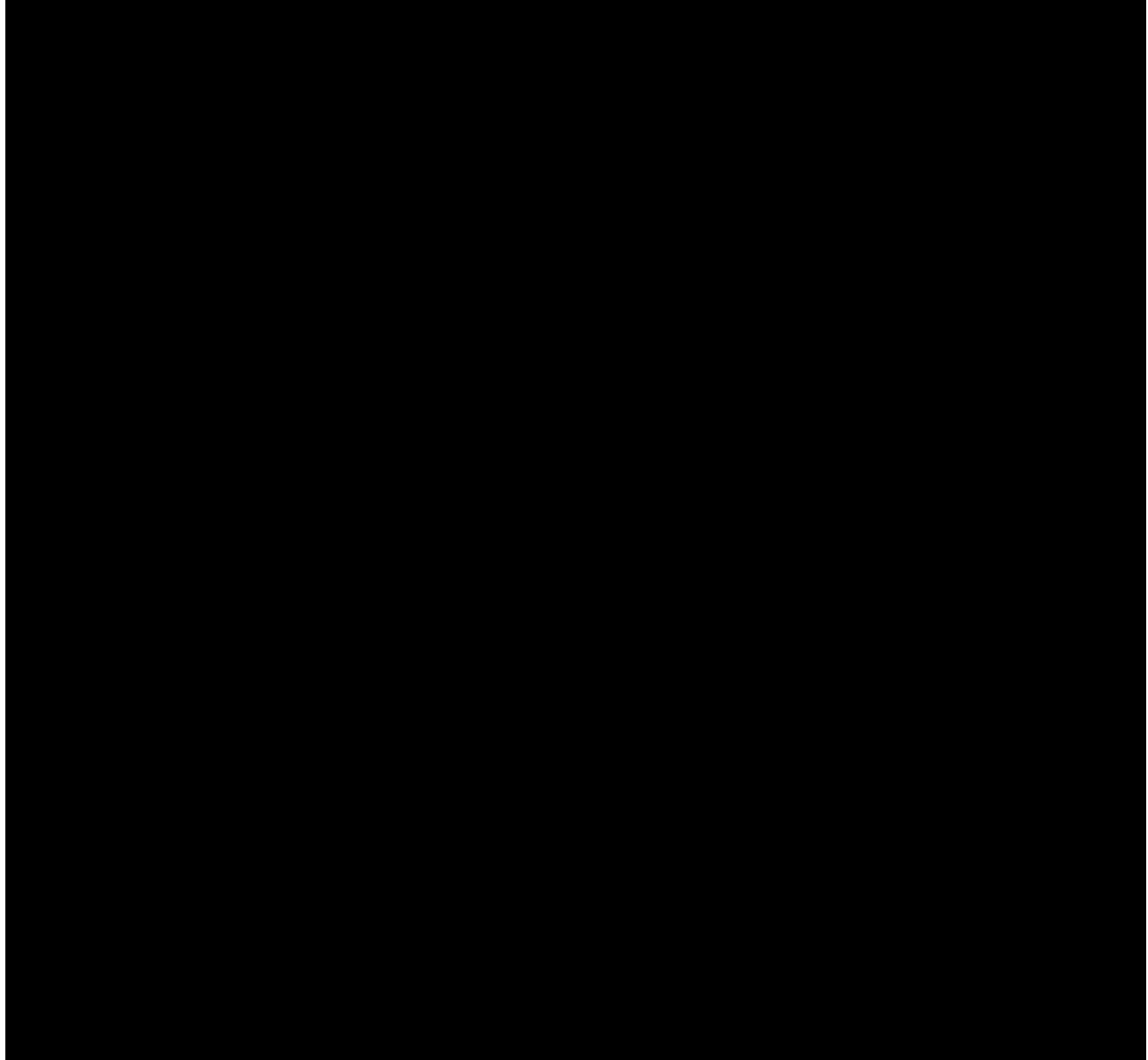
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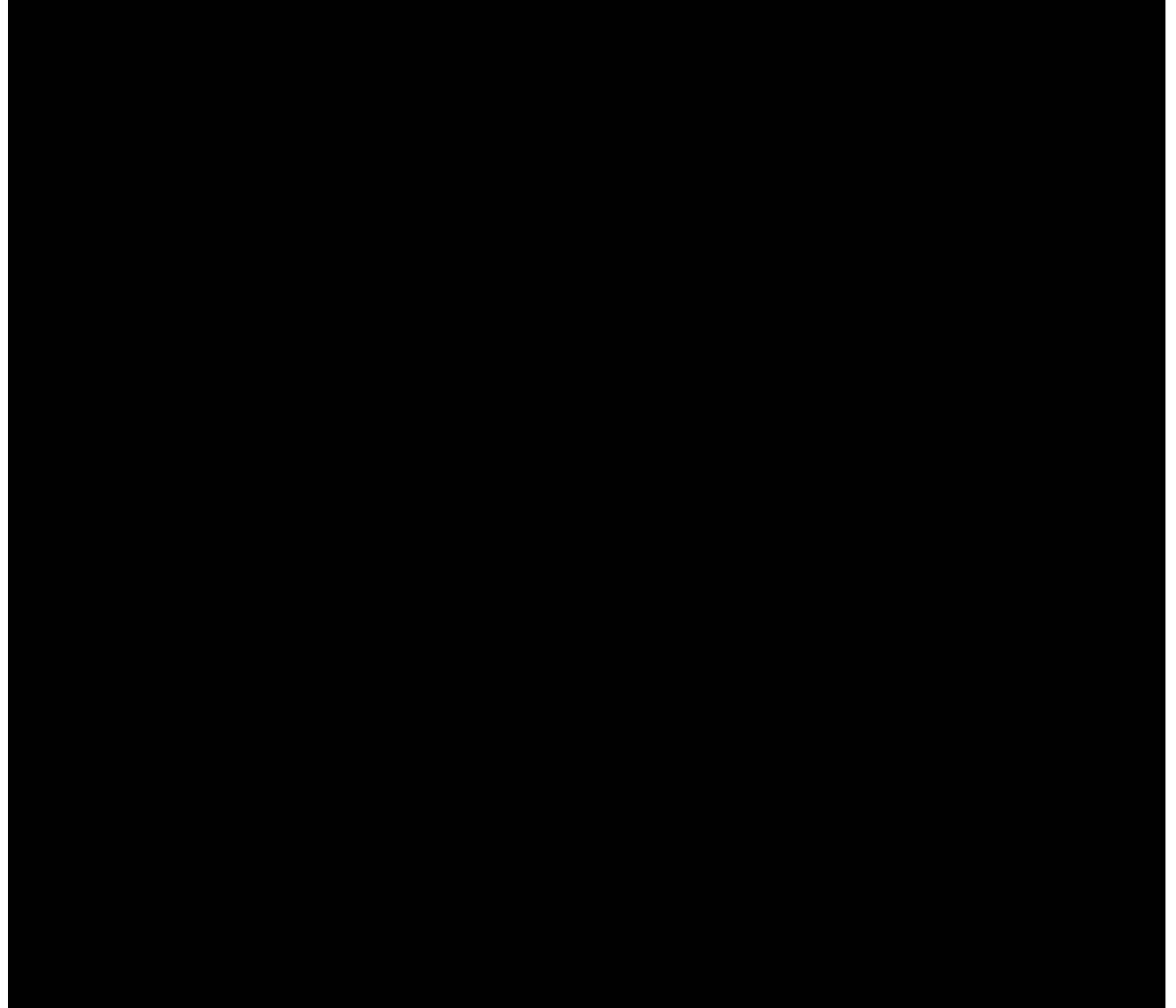
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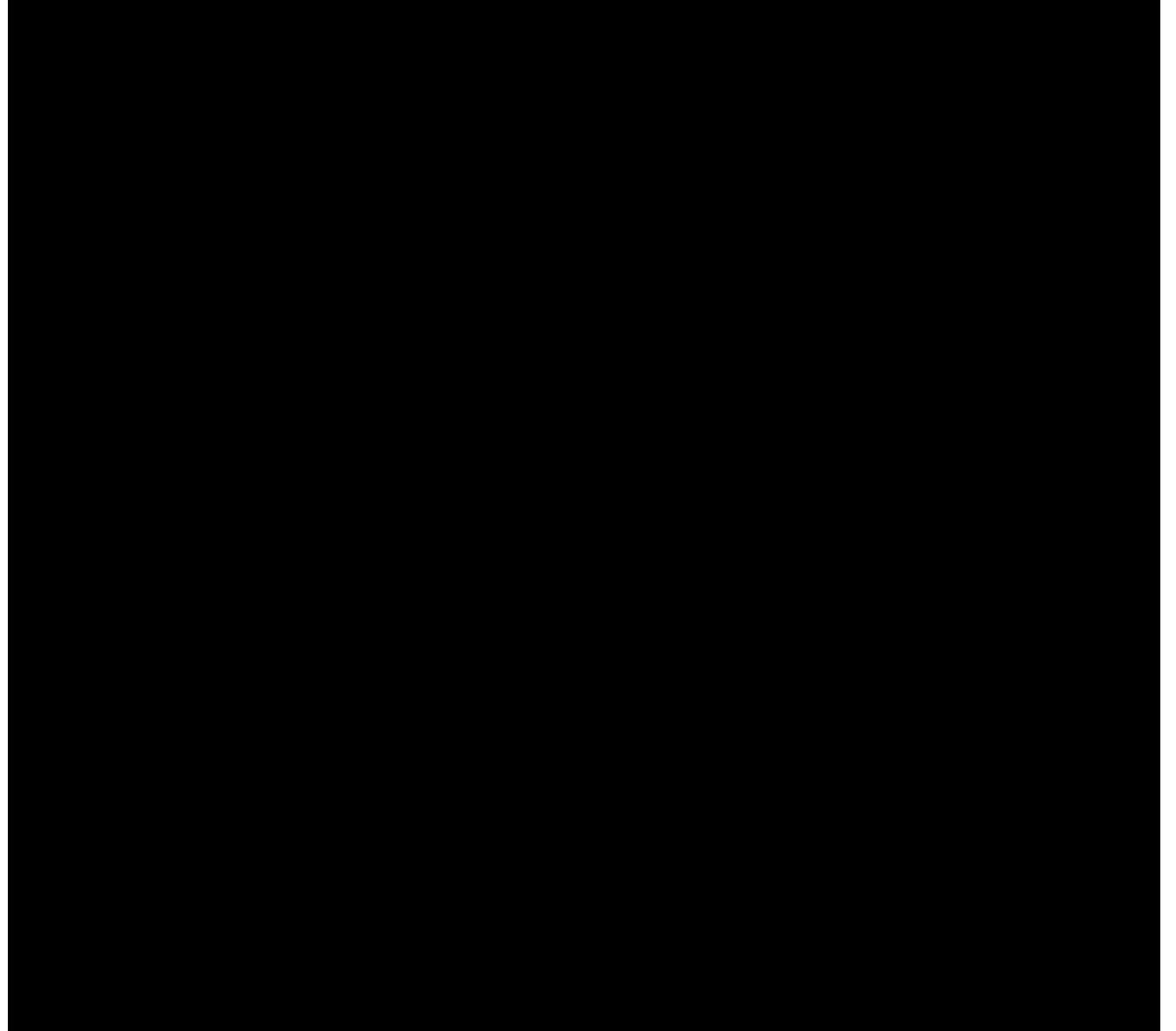
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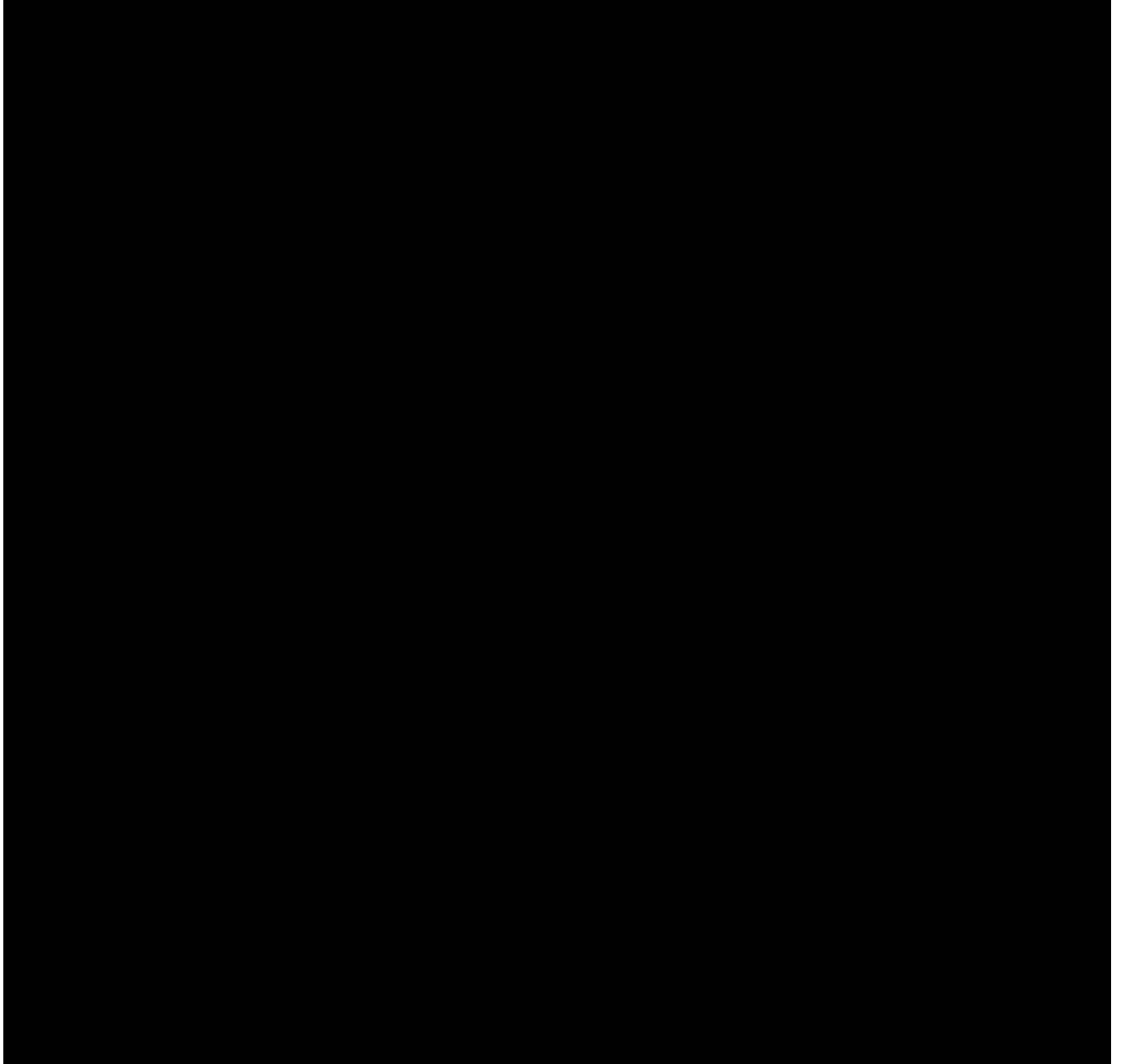
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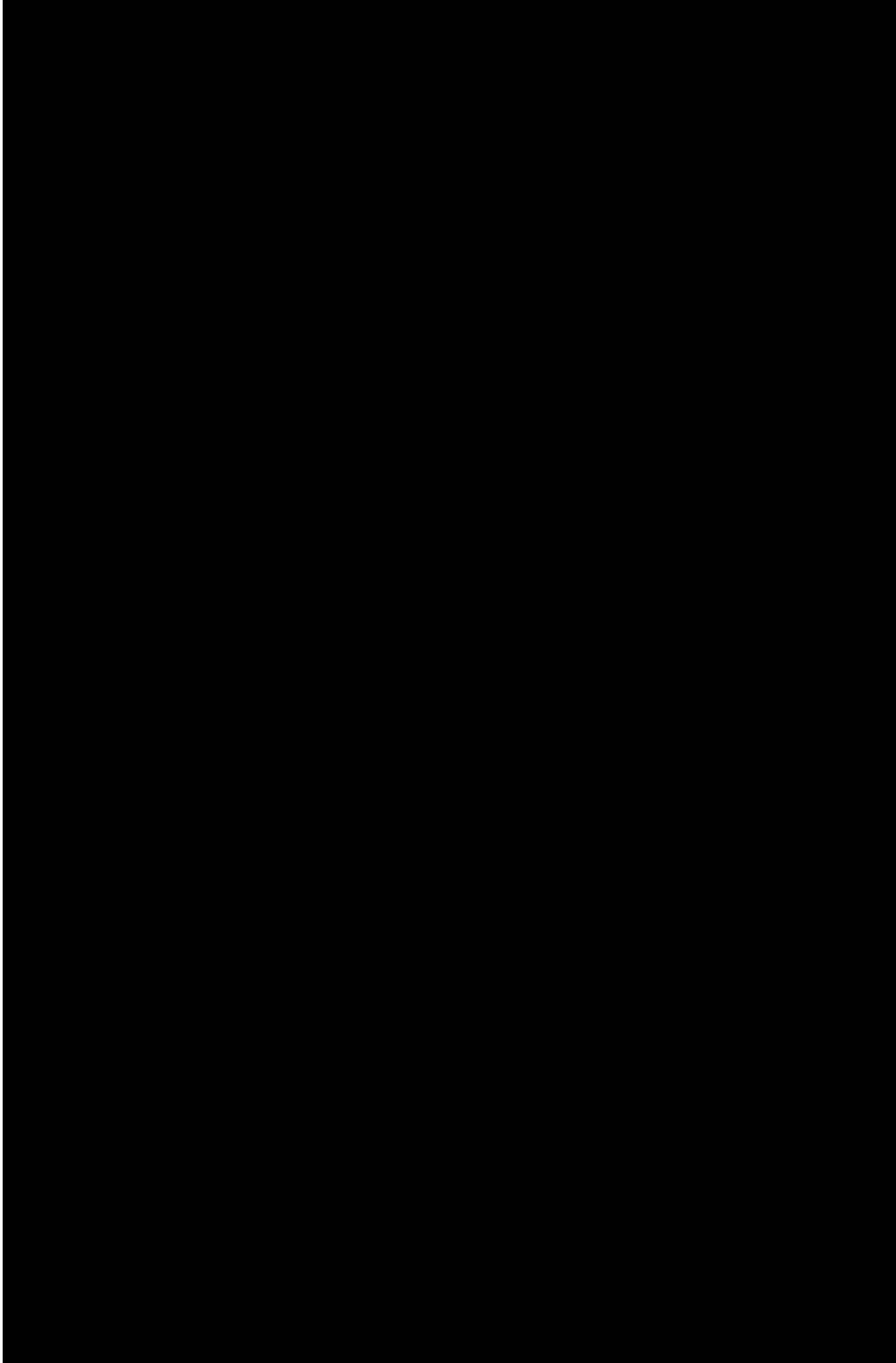
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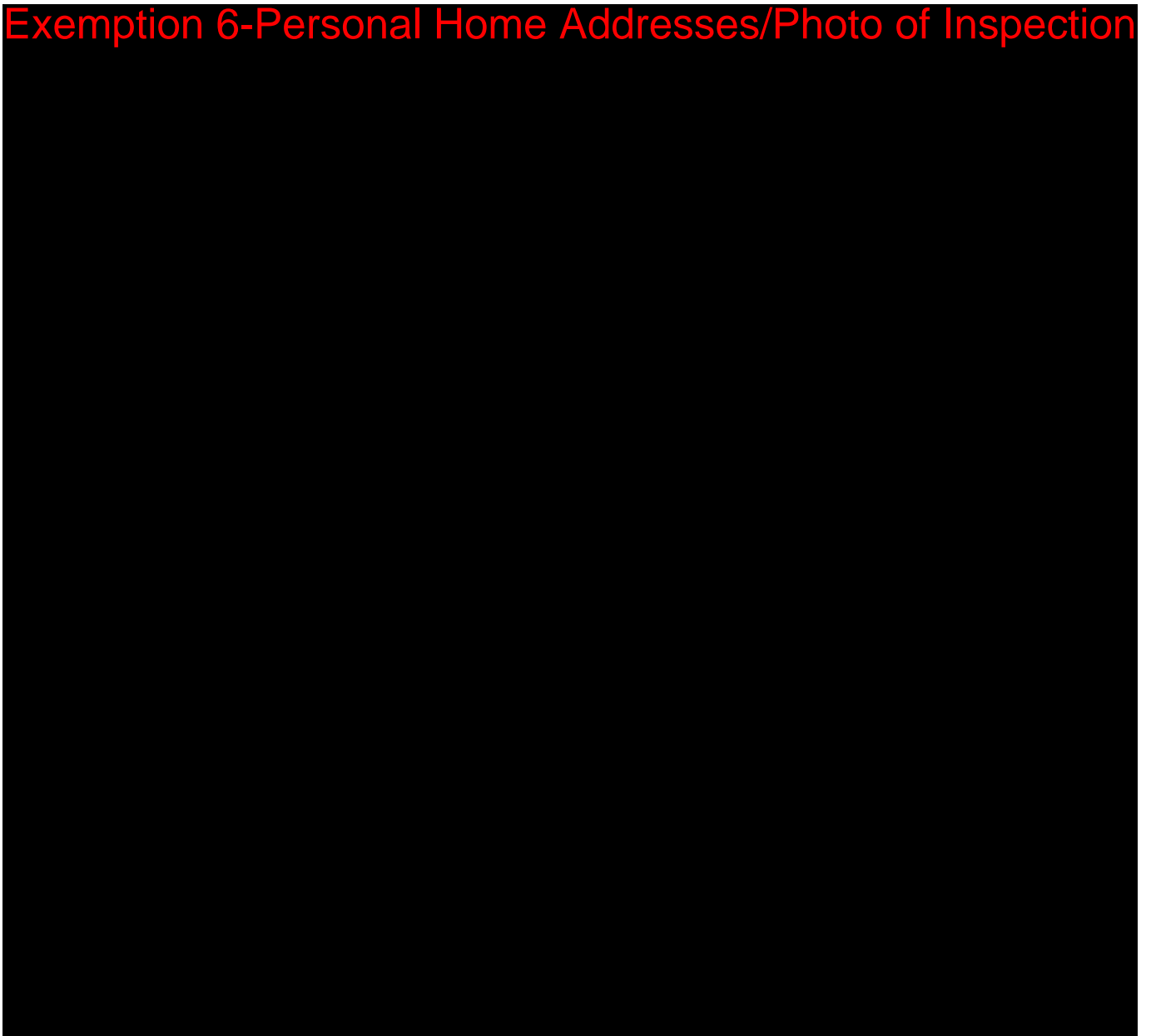
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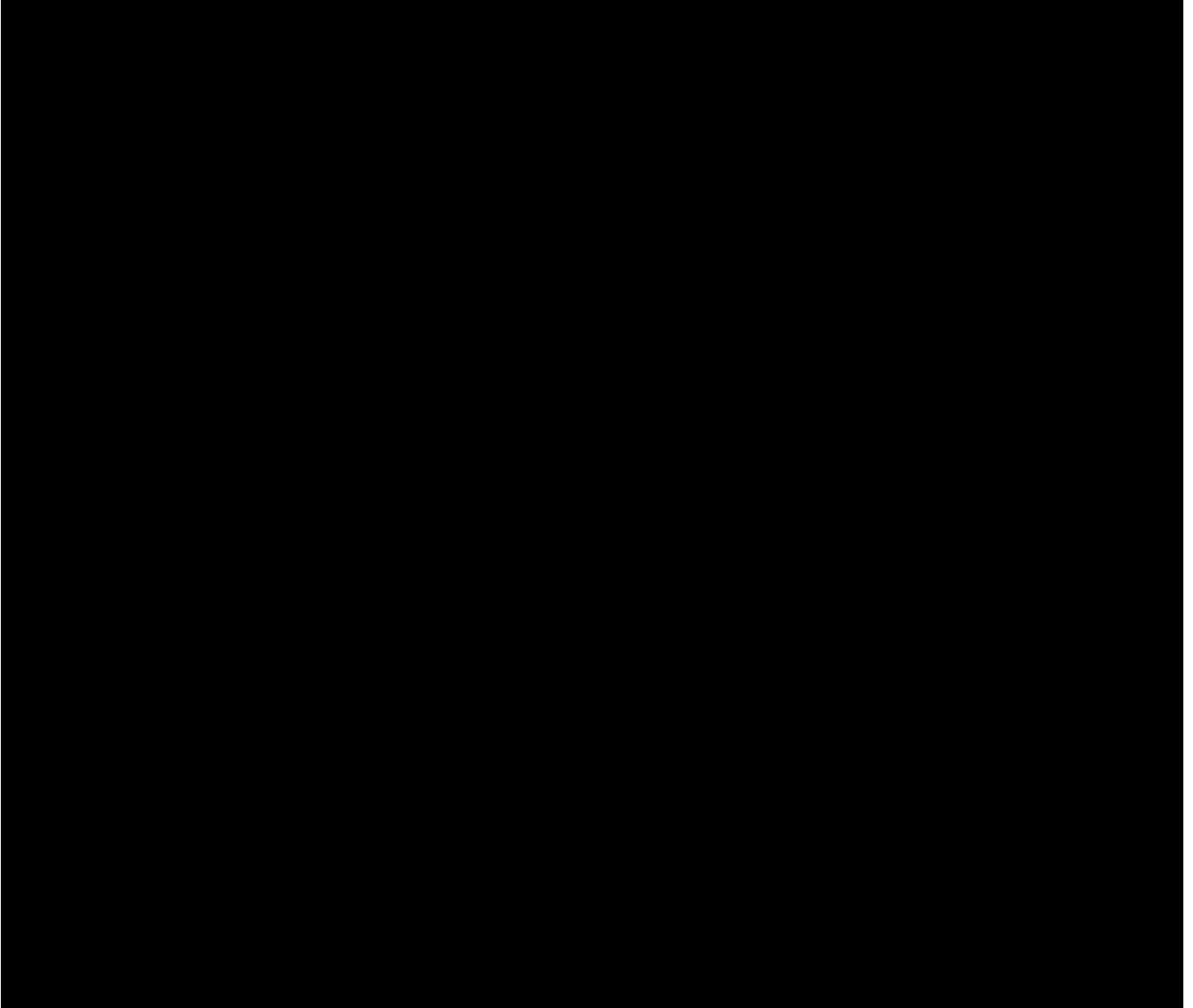
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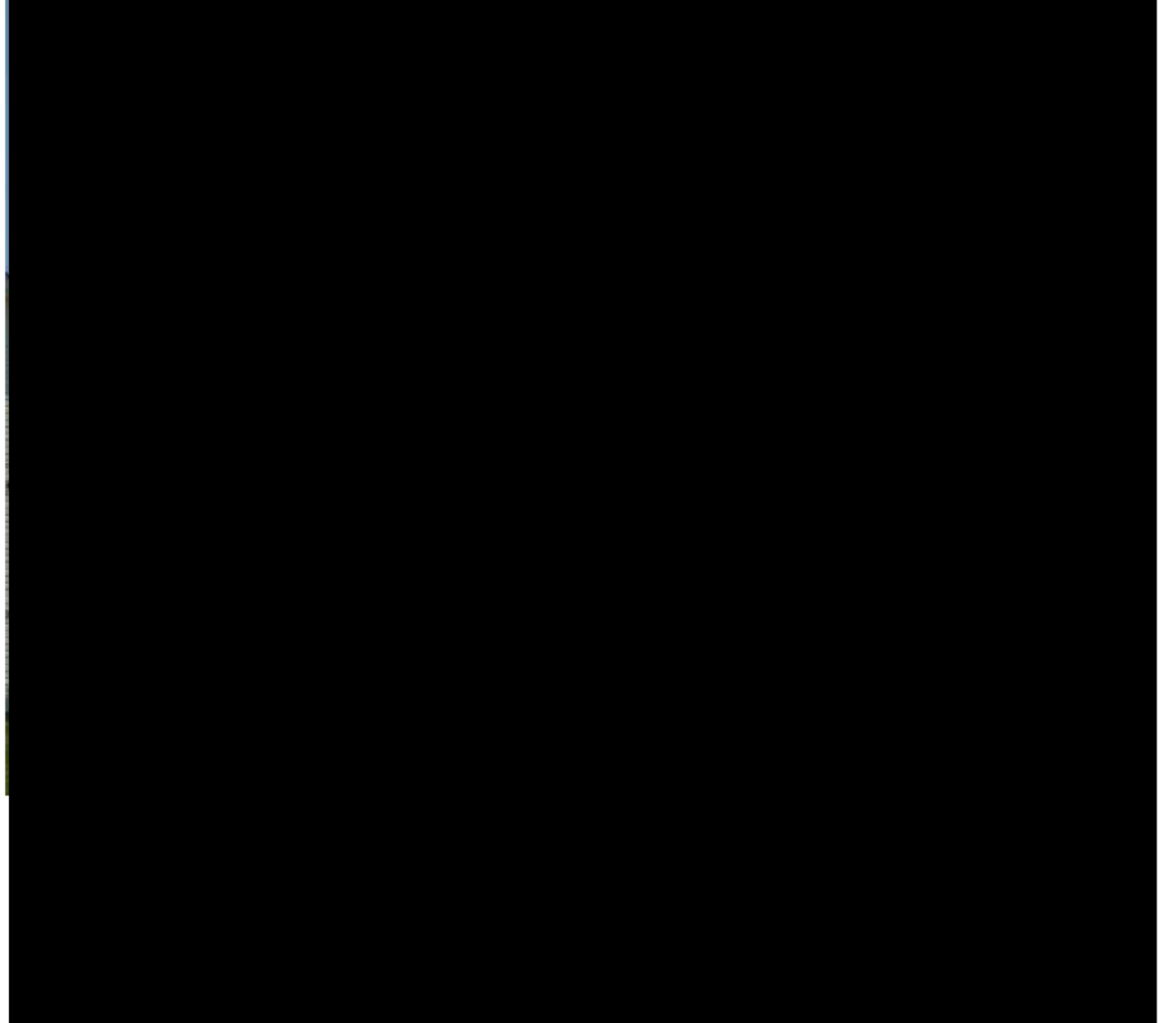
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Exemption 6- Personal Home Addresses/Photo of Inspection



Exemption 6-Personal Home Addresses/Photo of Inspection



APPENDIX C

Chain of Custody Forms

Chain of Custody Record

TAL-4124-280 (0508)

Sampler ID _____

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CD 515112
ALS
1505 Jefferson Road
Bldg 300 Suite 300
Piquette, MI 48623

Client <u>Technlaw</u>			Project Manager <u>Kim Whitlock</u>			Date <u>8/15/12</u>			Chain of Custody Number <u>117549</u>		
Address <u>205 W. Wacker Drive Site 1622</u>			Telephone Number (Area Code)/Fax Number <u>312-345-8930 / 312-345-</u>			Lab Number			Page <u>27</u> of <u>27</u>		
City <u>Chicago</u>	State <u>IL</u>	Zip Code <u>60606</u>	Site Contact <u>Christina Dellavia</u>			Lab Contact <u>Carl Beechler</u>			Analysis (Attach list if more space is needed)		
Project Name and Location (State) <u>Albia Illinois</u>			Carrier/Waybill Number <u>FedEx 8000 4621 4164</u>								
Contract/Purchase Order/Quote No.			Matrix			Containers & Preservatives			Special Instructions/Conditions of Receipt		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc2	NaOH	1631	1632	1633	1634	1635	1636	1637	1638	1639	1640	1641	1642	1643	1644	1645	1646	1647	1648	1649	1650
CR-01	8/14/12	1820				✓	✓																										
CR-02	8/15/12	0903				✓	✓																										
CR-03	8/15/12	0940				✓	✓																										
CR-04	8/15/12	0945				✓	✓																										
CR-05	8/15/12	1014				✓	✓																										
CR-06	8/15/12	1100				✓	✓																										
CR-07	8/15/12	1124				✓	✓																										
CR-08	8/15/12	1129				✓	✓																										
CR-09	8/15/12	1247				✓	✓																										
CR-13	8/15/12	0800				✓	✓																										
EB-01	8/15/12	1650	✓				✓		✓																								

Possible Hazard Identification			Sample Disposal			(A fee may be assessed if samples are retained longer than 1 month)		
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months	
Turn Around Time Required			QC Requirements (Specify)					
<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input checked="" type="checkbox"/> Other <u>Per contract</u>			
1. Relinquished By <u>Christina Dellavia</u>			Date <u>8/15/12</u>			Time <u>1813</u>		
2. Relinquished By			Date			Time		
3. Relinquished By			Date			Time		

Comments _____

Chain of Custody Record

TAL-4124-280 (0508)

Sampler ID _____

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Number

117548

Page 1 of 2

Client
Tech Law

Project Manager
Kim Whitlock

Date
8/15/12

Address
205 W. Wacker Drive, Suite 1622

Telephone Number (Area Code)/Fax Number
312-345-8930 / 312-445-8979

Lab Number

City
Chicago

State
IL

Zip Code
60606

Site Contact
Christina Dellano

Lab Contact
Earl Beecher

Analysis (Attach list if more space is needed)

Project Name and Location (State)
Southern Illinois

Carrier/Waybill Number
FEDEX 8000 4621 4175

Contract/Purchase Order/Quote No.

Special Instructions/
Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		</
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Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client

☐ Disposal By Lab

☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days

☒ Other Per Contract

QC Requirements (Specify)

1. Relinquished By

Date 8/15/12 Time 1613

1. Received By

Date Time

2. Relinquished By

Date Time

2. Received By

Date Time

3. Relinquished By

Date Time

3. Received By

Date Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

1 From Please print and press hard.

Date8/15/12Sender's FedEx Account Number1997-2322-7

Sender's NameROB YOUNGPhone312.345.8990

CompanyTECHLAW, INC.

Address205 W. WACKER DR. SUITE 1622

CityCHICAGOStateILZIP60606

2 Your Internal Billing Reference

First 24 characters will appear on invoice.03043.0.05.033.07.5.0.0000

3 To

Recipient's NameCARL BEECHLERPhone585.672.7470

CompanyALS ENVIRONMENTAL

Address1565 JEFFERSON RD

AddressBUILDING 300 SUITE 360

CityROCHESTERStateNYZIP14623

!

The FedEx US Airbill has changed. See Section 4.

4 Express Package Service

Next Business Day

2 or 3 Business Days

5 Packaging

6 Special Handling and Delivery Signature Options

7 Payment Bill to:

!

The FedEx US Airbill has changed. See Section 4.

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Next Business Day

2 or 3 Business Days

5 Packaging

6 Special Handling and Delivery Signature Options

7 Payment Bill to:

!

The FedEx US Airbill has changed. See Section 4.

APPENDIX D

Analytical Data

(Attached CD)

APPENDIX E

Data Validation Report

ORGANIC DATA VALIDATION REPORT

Validated by: Amy Dahl, TechLaw, Inc.
Report Date: September 24, 2012
Project/Site: Solutia
Sample Delivery Group: R1205380
DCN#: RZ2.05033.07-ID-046

This memorandum presents the data validation report for polychlorinated biphenyl compounds as homologs (PCBs) for data obtained during the field activities for the above referenced work assignment. The purpose of this review is to provide a data validation of the following samples collected August 14-15, 2012 and analyzed by Columbia Analytical Services doing business as ALS Environmental in Rochester, NY. In addition, a full validation including calculation checks was performed on the selected sample(s) identified below:

Field Sample Numbers	Laboratory ID	Matrix	Preparation and Analyses
SS-01 ⁺	R1205380-001	Soil	PCBs – SW846 3541, EPA Method 680
SS-02 ⁺	R1205380-002	Soil	
SS-03	R1205380-003	Soil	
SS-04	R1205380-004	Soil	
SS-05	R1205380-005	Soil	
SS-06	R1205380-006	Soil	
SS-07	R1205380-007	Soil	
SS-08	R1205380-008	Soil	
SS-09	R1205380-009	Soil	
SS-10	R1205380-010	Soil	
SS-12 ⁺	R1205380-011	Soil	
CR-01	R1205380-012	Soil	
CR-02	R1205380-013	Soil	
CR-03 ⁺	R1205380-014	Soil	
CR-04	R1205380-015	Soil	
CR-05	R1205380-016	Soil	
CR-06	R1205380-017	Soil	
CR-07	R1205380-018	Soil	
CR-08	R1205380-019	Soil	
CR-09	R1205380-020	Soil	
CR-13 ⁺	R1205380-021	Soil	
EB-01	R1205380-022	Water	PCBs – SW846 3510C, EPA Method 680

⁺ denotes full validation

Data validation was conducted in accordance with the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008 (NFG-Org) and EPA Method 680.

A standard technical validation was performed on the samples. The data were evaluated based on the following parameters:

- Data Completeness
- Preservation and Holding Times
- GC/MS Instrument Performance Check
- * Calibration
 - 1) Initial Calibration
 - 2) Continuing Calibration Verification
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicates
- Blank Spikes (Laboratory Control Samples)
- Internal Standards
- * Field Duplicates
- Target Compound Identification
- * Overall Assessment
- * **Sample results were qualified based on this parameter**

Data Completeness

All data necessary to complete the data validation were provided.

Preservation and Holding Times

All samples were received intact and at the proper shipping temperature of less than 6°C. All samples were extracted within seven days. All samples were analyzed within 40 days following extraction.

GC/MS Instrument Performance Check

The decafluorotriphenylphosphine (DFTPP) tuning solution was analyzed prior to each analytical sequence to check the instrument performance. GC/MS tuning complied with the mass list and ion abundance acceptance criteria. All samples were analyzed within the twelve (12) hour periods between instrument performance checks.

Calibration

The percent relative standard deviations (%RSDs) for the relative response factors or calibration factors for the target analytes in the initial calibrations were less than 20%.

The percent difference (%D) for the target analytes in the calibration checks were less than 20% with the following exceptions:

- Recoveries from the closing calibration check for samples analyzed on August 30, 2012 were greater than 20% for monochlorobiphenyls (26.3%) and the surrogate 4-4'-DDT (24.4%). All affected results were non-detects and qualified as not detected at an estimated quantitation limit (UJ).
- Recoveries from the closing calibration check for samples analyzed on September 5, 2012 were greater than 20% for monochlorobiphenyls (27.5%), the surrogate gamma-BHC (31.4%), pentachlorobiphenyls (20.4%), and the surrogate 4-4'-DDT (46.4%). All affected results were qualified as estimated (J) or not detected at an estimated quantitation limit (UJ).
- Recoveries from the closing calibration check for samples analyzed on September 6, 2012 were greater than 20% for monochlorobiphenyls (20.4%). All affected results were non-detected and qualified as not detected at an estimated quantitation limit (UJ).

Blanks

A method blank was prepared along with each batch of samples and carried through the preparation procedure and analysis. All method blank results were less than the reporting limits.

One equipment blank was collected. No compounds were detected above the reporting limits.

Surrogate Recoveries

Surrogate compounds were added to the samples and QC samples. The surrogate percent recoveries were within laboratory QC limits with the following exceptions:

- Surrogates were not recovered in four samples due to the dilution required. No qualifications were made.
- 4,4'-DDT recovered significantly above laboratory control limits (30-150%) in 14 samples due to the presence of 4,4'-DDT in these samples. This is not expected to impact the quantitation of the PCB homologs so no qualifications were made.
- The recovery of gamma-BHC (103%) from sample EB-01 (R1205380-022) was above laboratory limits (55-101%). All PCB results for sample EB-01 were non-detected and no qualifications were made.

Blank Spikes - Laboratory Control Samples (LCS)

LCS samples were prepared in duplicate for all preparation batches. The percent recoveries and relative percent differences (RPDs) of the LCS samples were within laboratory QC limits for all analytes.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSDs were prepared from sample SS-01 (R1205380-001) and CR-13 (R1205380-021) for PCB analysis. The percent recoveries and relative percent differences (RPDs) from the MS/MSD samples were within laboratory or method QC limits or spiked at less than the parent concentration.

Internal Standards

Internal Standards were added to the calibration standards, field samples, and QC samples. The recoveries and retention times were within method QC limits.

Field Duplicates

The following field duplicates were collected for this project:

- Sample SS-12 (R1205380-011) was collected as a field duplicate of SS-02 (R1205380-002).
- Sample CR-13 (R1205380-021) was collected as a field duplicate of CR-03 (R1205380-014).

For analytes detected in both samples, the RPDs were either (1) less than a QC limit of 50%; or (2), the absolute differences were less than the reporting limit if either sample was <2x the reporting limit with the following exception:

- The RPD for octachlorobiphenyls in samples SS-02 and SS-12 (51%) was above the QC limit of 50% and the difference (13 µg/kg) was greater than the sample reporting limit (12 µg/kg). Based on professional judgment, no qualifications were made.
- The RPDs in samples CR-03 and CR-13 for tetrachlorobiphenyls, pentachlorobiphenyls, hexachlorobiphenyls, heptachlorobiphenyls, octachlorobiphenyls, nonachlorobiphenyls, and decachlorobiphenyls were above the QC limit of 50%. The differences were less than the sample reporting limit for heptachlorobiphenyls and octachlorobiphenyls so no qualifications were made for these analytes. The remaining impacted results for samples CR-03 and CR-13 were qualified as estimated (J) or qualified as not detected at an estimated quantitation limit (UJ).

No action was taken if the analyte was not detected in both samples.

Target Compound Identification

The mass spectra for all detected PCB results were compared to spectra from a reference library. The spectral matches confirm the presence of PCBs in these samples.

Overall Assessment of Organic Data

All reported results were within the linear range of the calibration with the following exceptions:

- Pentachlorobiphenyls in sample SS-01; result was qualified as estimated (J).
- Nonachlorobiphenyls in sample SS-10; result was qualified as estimated (J).
- Hexachlorobiphenyls and heptachlorobiphenyls in sample CR-02; results were qualified as estimated (J).

Affected monochlorobiphenyls and pentachlorobiphenyls results associated with samples analyzed on August 30, September 5, and September 6, 2012, were qualified as estimated (J) or not detected at an estimated quantitation limit (UJ) due to closing calibration check exceedances.

Affected PCB results in samples CR-03 and CR-13 were qualified as estimated (J) or as not detected at an estimated quantitation limit (UJ) as a result of field duplicate exceedances.

DATA QUALIFIER DEFINITIONS

For the purpose of Data Validation, the following code letters and associated definitions are provided for use by the data validator to summarize the data quality.

- | | | |
|----|---|--|
| R | - | Reported value is “rejected.” Resampling or reanalysis may be necessary to verify the presence or absence of the compound. |
| J | - | The associated numerical value is an estimated quantity because the Quality Control criteria were not met. |
| UJ | - | The reported quantitation limit is estimated because Quality Control criteria were not met. Element or compound was not detected. |
| NJ | - | Estimated value of a tentatively identified compound. (Identified with a CAS number.) ORGANICS analysis only. |
| U | - | The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit. |
| NR | - | Result was not used from a particular sample analysis. This typically occurs when more than one result for a compound is reported due to dilutions and reanalyses. |
| Z | - | The chromatographic response does not resemble a typical fuel pattern. |

SUBMION	ORDNO	PROJECTNAM	SAMPLE_ID	SAMPDATE	DATE_RECVD	MATRIX	DATE_ANALY	DATE_EXTRA	COMPOUND	MRL	Adjusted MRL	RESULT	FLAG	Validat	UNIT	DILUTION	METHOD	REP
R1205380	R1205380-001	SIL	SS-01	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	67	67	U	UJ	UG/KG	30		680 1
R1205380	R1205380-001	SIL	SS-01	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	67	67	U	U	UG/KG	30		680 1
R1205380	R1205380-001	SIL	SS-01	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	67	93			UG/KG	30		680 1
R1205380	R1205380-001	SIL	SS-01	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	67	720			UG/KG	30		680 1
R1205380	R1205380-001	SIL	SS-01	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	67	2500		J	UG/KG	30		680 1
R1205380	R1205380-001	SIL	SS-01	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	67	2100			UG/KG	30		680 1
R1205380	R1205380-001	SIL	SS-01	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	67	960			UG/KG	30		680 1
R1205380	R1205380-001	SIL	SS-01	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	67	320			UG/KG	30		680 1
R1205380	R1205380-001	SIL	SS-01	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	67	120			UG/KG	30		680 1
R1205380	R1205380-001	SIL	SS-01	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	PCB 209	1.0	67	250			UG/KG	30		680 1
R1205380	R1205380-002	SIL	SS-02	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	12	12	U	UJ	UG/KG	5		680 1
R1205380	R1205380-002	SIL	SS-02	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	12	12	U	U	UG/KG	5		680 1
R1205380	R1205380-002	SIL	SS-02	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	12	12	U	U	UG/KG	5		680 1
R1205380	R1205380-002	SIL	SS-02	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	12	25			UG/KG	5		680 1
R1205380	R1205380-002	SIL	SS-02	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	12	55			UG/KG	5		680 1
R1205380	R1205380-002	SIL	SS-02	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	12	63			UG/KG	5		680 1
R1205380	R1205380-002	SIL	SS-02	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	12	39			UG/KG	5		680 1
R1205380	R1205380-002	SIL	SS-02	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	12	19			UG/KG	5		680 1
R1205380	R1205380-002	SIL	SS-02	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	12	190			UG/KG	5		680 1
R1205380	R1205380-002	SIL	SS-02	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	PCB 209	1.0	12	670			UG/KG	5		680 1
R1205380	R1205380-003	SIL	SS-03	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	6.7	6.7	U	U	UG/KG	3		680 1
R1205380	R1205380-003	SIL	SS-03	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	6.7	6.7	U	U	UG/KG	3		680 1
R1205380	R1205380-003	SIL	SS-03	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	6.7	6.7	U	U	UG/KG	3		680 1
R1205380	R1205380-003	SIL	SS-03	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	6.7	8.2			UG/KG	3		680 1
R1205380	R1205380-003	SIL	SS-03	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	6.7	21			UG/KG	3		680 1
R1205380	R1205380-003	SIL	SS-03	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	6.7	23			UG/KG	3		680 1
R1205380	R1205380-003	SIL	SS-03	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	6.7	11			UG/KG	3		680 1
R1205380	R1205380-003	SIL	SS-03	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	6.7	10			UG/KG	3		680 1
R1205380	R1205380-003	SIL	SS-03	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	6.7	110			UG/KG	3		680 1
R1205380	R1205380-003	SIL	SS-03	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	PCB 209	1.0	6.7	460			UG/KG	3		680 1
R1205380	R1205380-004	SIL	SS-04	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	11	11	U	UJ	UG/KG	5		680 1
R1205380	R1205380-004	SIL	SS-04	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	11	11	U	U	UG/KG	5		680 1
R1205380	R1205380-004	SIL	SS-04	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	11	11	U	U	UG/KG	5		680 1
R1205380	R1205380-004	SIL	SS-04	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	11	18			UG/KG	5		680 1
R1205380	R1205380-004	SIL	SS-04	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	11	65			UG/KG	5		680 1
R1205380	R1205380-004	SIL	SS-04	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	11	65			UG/KG	5		680 1
R1205380	R1205380-004	SIL	SS-04	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	11	35			UG/KG	5		680 1
R1205380	R1205380-004	SIL	SS-04	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	11	18			UG/KG	5		680 1
R1205380	R1205380-004	SIL	SS-04	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	11	160			UG/KG	5		680 1
R1205380	R1205380-004	SIL	SS-04	08/14/12	08/16/12	SOIL	08/30/12	08/20/12	PCB 209	1.0	11	650			UG/KG	5		680 1
R1205380	R1205380-005	SIL	SS-05	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	14	14	U	U	UG/KG	6		680 1
R1205380	R1205380-005	SIL	SS-05	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	14	14	U	U	UG/KG	6		680 1
R1205380	R1205380-005	SIL	SS-05	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	14	14	U	U	UG/KG	6		680 1
R1205380	R1205380-005	SIL	SS-05	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	14	30			UG/KG	6		680 1
R1205380	R1205380-005	SIL	SS-05	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	14	140			UG/KG	6		680 1
R1205380	R1205380-005	SIL	SS-05	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	14	360			UG/KG	6		680 1
R1205380	R1205380-005	SIL	SS-05	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	14	260			UG/KG	6		680 1
R1205380	R1205380-005	SIL	SS-05	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	14	54			UG/KG	6		680 1
R1205380	R1205380-005	SIL	SS-05	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	14	240			UG/KG	6		680 1
R1205380	R1205380-005	SIL	SS-05	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	PCB 209	1.0	14	1100			UG/KG	6		680 1
R1205380	R1205380-006	SIL	SS-06	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	23	23	U	U	UG/KG	10		680 1
R1205380	R1205380-006	SIL	SS-06	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	23	23	U	U	UG/KG	10		680 1
R1205380	R1205380-006	SIL	SS-06	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	23	23	U	U	UG/KG	10		680 1
R1205380	R1205380-006	SIL	SS-06	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	23	29			UG/KG	10		680 1
R1205380	R1205380-006	SIL	SS-06	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	23	56			UG/KG	10		680 1

R1205380	R1205380-006	SIL	SS-06	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	23	59			UG/KG	10	680	1
R1205380	R1205380-006	SIL	SS-06	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	23	29			UG/KG	10	680	1
R1205380	R1205380-006	SIL	SS-06	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	23	23	U	U	UG/KG	10	680	1
R1205380	R1205380-006	SIL	SS-06	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	23	240			UG/KG	10	680	1
R1205380	R1205380-006	SIL	SS-06	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	PCB 209	1.0	23	1200			UG/KG	10	680	1
R1205380	R1205380-007	SIL	SS-07	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	6.8	6.8	U	U	UG/KG	3	680	1
R1205380	R1205380-007	SIL	SS-07	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	6.8	6.8	U	U	UG/KG	3	680	1
R1205380	R1205380-007	SIL	SS-07	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	6.8	6.8	U	U	UG/KG	3	680	1
R1205380	R1205380-007	SIL	SS-07	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	6.8	31			UG/KG	3	680	1
R1205380	R1205380-007	SIL	SS-07	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	6.8	51			UG/KG	3	680	1
R1205380	R1205380-007	SIL	SS-07	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	6.8	68			UG/KG	3	680	1
R1205380	R1205380-007	SIL	SS-07	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	6.8	35			UG/KG	3	680	1
R1205380	R1205380-007	SIL	SS-07	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	6.8	12			UG/KG	3	680	1
R1205380	R1205380-007	SIL	SS-07	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	6.8	100			UG/KG	3	680	1
R1205380	R1205380-007	SIL	SS-07	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	PCB 209	1.0	6.8	440			UG/KG	3	680	1
R1205380	R1205380-008	SIL	SS-08	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	32	32	U	U	UG/KG	14	680	1
R1205380	R1205380-008	SIL	SS-08	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	32	32	U	U	UG/KG	14	680	1
R1205380	R1205380-008	SIL	SS-08	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	32	32	U	U	UG/KG	14	680	1
R1205380	R1205380-008	SIL	SS-08	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	32	88			UG/KG	14	680	1
R1205380	R1205380-008	SIL	SS-08	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	32	620			UG/KG	14	680	1
R1205380	R1205380-008	SIL	SS-08	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	32	370			UG/KG	14	680	1
R1205380	R1205380-008	SIL	SS-08	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	32	83			UG/KG	14	680	1
R1205380	R1205380-008	SIL	SS-08	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	32	32	U	U	UG/KG	14	680	1
R1205380	R1205380-008	SIL	SS-08	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	32	340			UG/KG	14	680	1
R1205380	R1205380-008	SIL	SS-08	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	PCB 209	1.0	32	1700			UG/KG	14	680	1
R1205380	R1205380-009	SIL	SS-09	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	22	22	U	U	UG/KG	10	680	1
R1205380	R1205380-009	SIL	SS-09	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	22	22	U	U	UG/KG	10	680	1
R1205380	R1205380-009	SIL	SS-09	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	22	22	U	U	UG/KG	10	680	1
R1205380	R1205380-009	SIL	SS-09	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	22	81			UG/KG	10	680	1
R1205380	R1205380-009	SIL	SS-09	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	22	170			UG/KG	10	680	1
R1205380	R1205380-009	SIL	SS-09	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	22	150			UG/KG	10	680	1
R1205380	R1205380-009	SIL	SS-09	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	22	100			UG/KG	10	680	1
R1205380	R1205380-009	SIL	SS-09	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	22	82			UG/KG	10	680	1
R1205380	R1205380-009	SIL	SS-09	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	22	280			UG/KG	10	680	1
R1205380	R1205380-009	SIL	SS-09	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	PCB 209	1.0	22	840			UG/KG	10	680	1
R1205380	R1205380-010	SIL	SS-10	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	4.5	4.5	U	U	UG/KG	2	680	1
R1205380	R1205380-010	SIL	SS-10	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	4.5	4.5	U	U	UG/KG	2	680	1
R1205380	R1205380-010	SIL	SS-10	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	4.5	4.5	U	U	UG/KG	2	680	1
R1205380	R1205380-010	SIL	SS-10	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	4.5	16			UG/KG	2	680	1
R1205380	R1205380-010	SIL	SS-10	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	4.5	47			UG/KG	2	680	1
R1205380	R1205380-010	SIL	SS-10	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	4.5	82			UG/KG	2	680	1
R1205380	R1205380-010	SIL	SS-10	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	4.5	73			UG/KG	2	680	1
R1205380	R1205380-010	SIL	SS-10	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	4.5	250			UG/KG	2	680	1
R1205380	R1205380-010	SIL	SS-10	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	4.5	370		J	UG/KG	2	680	1
R1205380	R1205380-010	SIL	SS-10	08/15/12	08/16/12	SOIL	09/04/12	08/20/12	PCB 209	1.0	4.5	250			UG/KG	2	680	1
R1205380	R1205380-011	SIL	SS-12	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	12	12	U	U	UG/KG	5	680	1
R1205380	R1205380-011	SIL	SS-12	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	12	12	U	U	UG/KG	5	680	1
R1205380	R1205380-011	SIL	SS-12	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	12	12	U	U	UG/KG	5	680	1
R1205380	R1205380-011	SIL	SS-12	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	12	22			UG/KG	5	680	1
R1205380	R1205380-011	SIL	SS-12	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	12	58			UG/KG	5	680	1
R1205380	R1205380-011	SIL	SS-12	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	12	61			UG/KG	5	680	1
R1205380	R1205380-011	SIL	SS-12	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	12	32			UG/KG	5	680	1
R1205380	R1205380-011	SIL	SS-12	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	12	32			UG/KG	5	680	1
R1205380	R1205380-011	SIL	SS-12	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	12	190			UG/KG	5	680	1
R1205380	R1205380-011	SIL	SS-12	08/14/12	08/16/12	SOIL	09/04/12	08/20/12	PCB 209	1.0	12	730			UG/KG	5	680	1
R1205380	R1205380-012	SIL	CR-01	08/14/12	08/16/12	SOIL	09/05/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	2.2	2.2	U	UJ	UG/KG	1	680	1

R1205380	R1205380-012	SIL	CR-01	08/14/12	08/16/12	SOIL	09/05/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	2.2	2.2 U	U	UG/KG	1	680
R1205380	R1205380-012	SIL	CR-01	08/14/12	08/16/12	SOIL	09/05/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	2.2	2.2 U	U	UG/KG	1	680
R1205380	R1205380-012	SIL	CR-01	08/14/12	08/16/12	SOIL	09/05/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	2.2	2.2 U	U	UG/KG	1	680
R1205380	R1205380-012	SIL	CR-01	08/14/12	08/16/12	SOIL	09/05/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	2.2	3.6	J	UG/KG	1	680
R1205380	R1205380-012	SIL	CR-01	08/14/12	08/16/12	SOIL	09/05/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	2.2	11		UG/KG	1	680
R1205380	R1205380-012	SIL	CR-01	08/14/12	08/16/12	SOIL	09/05/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	2.2	7.9		UG/KG	1	680
R1205380	R1205380-012	SIL	CR-01	08/14/12	08/16/12	SOIL	09/05/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	2.2	2.7		UG/KG	1	680
R1205380	R1205380-012	SIL	CR-01	08/14/12	08/16/12	SOIL	09/05/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	2.2	16		UG/KG	1	680
R1205380	R1205380-012	SIL	CR-01	08/14/12	08/16/12	SOIL	09/05/12	08/20/12	PCB 209	1.0	2.2	62		UG/KG	1	680
R1205380	R1205380-013	SIL	CR-02	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	11	11 U	UJ	UG/KG	5	680
R1205380	R1205380-013	SIL	CR-02	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	11	11 U	U	UG/KG	5	680
R1205380	R1205380-013	SIL	CR-02	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	11	11 U	U	UG/KG	5	680
R1205380	R1205380-013	SIL	CR-02	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	11	11 U	U	UG/KG	5	680
R1205380	R1205380-013	SIL	CR-02	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	11	150	J	UG/KG	5	680
R1205380	R1205380-013	SIL	CR-02	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	11	920	J	UG/KG	5	680
R1205380	R1205380-013	SIL	CR-02	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	11	700	J	UG/KG	5	680
R1205380	R1205380-013	SIL	CR-02	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	11	93		UG/KG	5	680
R1205380	R1205380-013	SIL	CR-02	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	11	28		UG/KG	5	680
R1205380	R1205380-013	SIL	CR-02	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	PCB 209	1.0	11	53		UG/KG	5	680
R1205380	R1205380-014	SIL	CR-03	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	14	14 U	UJ	UG/KG	6	680
R1205380	R1205380-014	SIL	CR-03	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	14	14 U	U	UG/KG	6	680
R1205380	R1205380-014	SIL	CR-03	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	14	14 U	U	UG/KG	6	680
R1205380	R1205380-014	SIL	CR-03	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	14	42	J	UG/KG	6	680
R1205380	R1205380-014	SIL	CR-03	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	14	14 U	UJ	UG/KG	6	680
R1205380	R1205380-014	SIL	CR-03	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	14	14 U	UJ	UG/KG	6	680
R1205380	R1205380-014	SIL	CR-03	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	14	14 U	U	UG/KG	6	680
R1205380	R1205380-014	SIL	CR-03	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	14	20		UG/KG	6	680
R1205380	R1205380-014	SIL	CR-03	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	14	210	J	UG/KG	6	680
R1205380	R1205380-014	SIL	CR-03	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	PCB 209	1.0	14	950	J	UG/KG	6	680
R1205380	R1205380-015	SIL	CR-04	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	11	11 U	UJ	UG/KG	5	680
R1205380	R1205380-015	SIL	CR-04	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	11	11 U	U	UG/KG	5	680
R1205380	R1205380-015	SIL	CR-04	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	11	11 U	U	UG/KG	5	680
R1205380	R1205380-015	SIL	CR-04	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	11	11 U	U	UG/KG	5	680
R1205380	R1205380-015	SIL	CR-04	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	11	52	J	UG/KG	5	680
R1205380	R1205380-015	SIL	CR-04	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	11	53		UG/KG	5	680
R1205380	R1205380-015	SIL	CR-04	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	11	13		UG/KG	5	680
R1205380	R1205380-015	SIL	CR-04	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	11	12		UG/KG	5	680
R1205380	R1205380-015	SIL	CR-04	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	11	120		UG/KG	5	680
R1205380	R1205380-015	SIL	CR-04	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	PCB 209	1.0	11	440		UG/KG	5	680
R1205380	R1205380-016	SIL	CR-05	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	11	11 U	UJ	UG/KG	5	680
R1205380	R1205380-016	SIL	CR-05	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	11	11 U	U	UG/KG	5	680
R1205380	R1205380-016	SIL	CR-05	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	11	42		UG/KG	5	680
R1205380	R1205380-016	SIL	CR-05	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	11	170		UG/KG	5	680
R1205380	R1205380-016	SIL	CR-05	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	11	220	J	UG/KG	5	680
R1205380	R1205380-016	SIL	CR-05	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	11	160		UG/KG	5	680
R1205380	R1205380-016	SIL	CR-05	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	11	38		UG/KG	5	680
R1205380	R1205380-016	SIL	CR-05	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	11	11 U	U	UG/KG	5	680
R1205380	R1205380-016	SIL	CR-05	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	11	18		UG/KG	5	680
R1205380	R1205380-016	SIL	CR-05	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	PCB 209	1.0	11	56		UG/KG	5	680
R1205380	R1205380-017	SIL	CR-06	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	11	11 U	UJ	UG/KG	5	680
R1205380	R1205380-017	SIL	CR-06	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	11	11 U	U	UG/KG	5	680
R1205380	R1205380-017	SIL	CR-06	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	11	11 U	U	UG/KG	5	680
R1205380	R1205380-017	SIL	CR-06	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	11	17		UG/KG	5	680
R1205380	R1205380-017	SIL	CR-06	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	11	39	J	UG/KG	5	680
R1205380	R1205380-017	SIL	CR-06	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	11	45		UG/KG	5	680
R1205380	R1205380-017	SIL	CR-06	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	11	41		UG/KG	5	680

R1205380	R1205380-017	SIL	CR-06	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	11	14	UG/KG	5	680	1	
R1205380	R1205380-017	SIL	CR-06	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	11	99	UG/KG	5	680	1	
R1205380	R1205380-017	SIL	CR-06	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	PCB 209	1.0	11	440	UG/KG	5	680	1	
R1205380	R1205380-018	SIL	CR-07	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	12	12 U	UJ	UG/KG	5	680	1
R1205380	R1205380-018	SIL	CR-07	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	12	12 U	U	UG/KG	5	680	1
R1205380	R1205380-018	SIL	CR-07	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	12	12 U	U	UG/KG	5	680	1
R1205380	R1205380-018	SIL	CR-07	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	12	12 U	U	UG/KG	5	680	1
R1205380	R1205380-018	SIL	CR-07	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	12	40	J	UG/KG	5	680	1
R1205380	R1205380-018	SIL	CR-07	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	12	45		UG/KG	5	680	1
R1205380	R1205380-018	SIL	CR-07	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	12	18		UG/KG	5	680	1
R1205380	R1205380-018	SIL	CR-07	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	12	12 U	U	UG/KG	5	680	1
R1205380	R1205380-018	SIL	CR-07	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	12	41		UG/KG	5	680	1
R1205380	R1205380-018	SIL	CR-07	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	PCB 209	1.0	12	150		UG/KG	5	680	1
R1205380	R1205380-019	SIL	CR-08	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	55	55 U	UJ	UG/KG	25	680	1
R1205380	R1205380-019	SIL	CR-08	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	55	55 U	U	UG/KG	25	680	1
R1205380	R1205380-019	SIL	CR-08	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	55	55 U	U	UG/KG	25	680	1
R1205380	R1205380-019	SIL	CR-08	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	55	55 U	U	UG/KG	25	680	1
R1205380	R1205380-019	SIL	CR-08	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	55	100	J	UG/KG	25	680	1
R1205380	R1205380-019	SIL	CR-08	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	55	130		UG/KG	25	680	1
R1205380	R1205380-019	SIL	CR-08	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	55	57		UG/KG	25	680	1
R1205380	R1205380-019	SIL	CR-08	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	55	55 U	U	UG/KG	25	680	1
R1205380	R1205380-019	SIL	CR-08	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	55	55 U	U	UG/KG	25	680	1
R1205380	R1205380-019	SIL	CR-08	08/15/12	08/16/12	SOIL	09/05/12	08/20/12	PCB 209	1.0	55	120		UG/KG	25	680	1
R1205380	R1205380-020	SIL	CR-09	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	2.3	2.3 U	UJ	UG/KG	1	680	1
R1205380	R1205380-020	SIL	CR-09	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	2.3	2.3 U	U	UG/KG	1	680	1
R1205380	R1205380-020	SIL	CR-09	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	2.3	2.3 U	U	UG/KG	1	680	1
R1205380	R1205380-020	SIL	CR-09	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	2.3	4.2		UG/KG	1	680	1
R1205380	R1205380-020	SIL	CR-09	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	2.3	14		UG/KG	1	680	1
R1205380	R1205380-020	SIL	CR-09	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	2.3	14		UG/KG	1	680	1
R1205380	R1205380-020	SIL	CR-09	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	2.3	14		UG/KG	1	680	1
R1205380	R1205380-020	SIL	CR-09	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	2.3	4.7		UG/KG	1	680	1
R1205380	R1205380-020	SIL	CR-09	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	2.3	28		UG/KG	1	680	1
R1205380	R1205380-020	SIL	CR-09	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	PCB 209	1.0	2.3	110		UG/KG	1	680	1
R1205380	R1205380-021	SIL	CR-13	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	MONOCHLOROBIPHENYLS, TOTAL	1.0	6.9	6.9 U	UJ	UG/KG	3	680	1
R1205380	R1205380-021	SIL	CR-13	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	DICHLOROBIPHENYLS, TOTAL	1.0	6.9	6.9 U	U	UG/KG	3	680	1
R1205380	R1205380-021	SIL	CR-13	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	TRICHLOROBIPHENYLS, TOTAL	1.0	6.9	6.9 U	U	UG/KG	3	680	1
R1205380	R1205380-021	SIL	CR-13	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	TETRACHLOROBIPHENYLS, TOTAL	1.0	6.9	12	J	UG/KG	3	680	1
R1205380	R1205380-021	SIL	CR-13	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	PENTACHLOROBIPHENYLS, TOTAL	1.0	6.9	67	J	UG/KG	3	680	1
R1205380	R1205380-021	SIL	CR-13	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	HEXACHLOROBIPHENYLS, TOTAL	1.0	6.9	42	J	UG/KG	3	680	1
R1205380	R1205380-021	SIL	CR-13	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	HEPTACHLOROBIPHENYLS, TOTAL	1.0	6.9	7.9		UG/KG	3	680	1
R1205380	R1205380-021	SIL	CR-13	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	OCTACHLOROBIPHENYLS, TOTAL	1.0	6.9	6.9 U	U	UG/KG	3	680	1
R1205380	R1205380-021	SIL	CR-13	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	NONACHLOROBIPHENYLS, TOTAL	1.0	6.9	72	J	UG/KG	3	680	1
R1205380	R1205380-021	SIL	CR-13	08/15/12	08/16/12	SOIL	09/06/12	08/20/12	PCB 209	1.0	6.9	300	J	UG/KG	3	680	1
R1205380	R1205380-022	SIL	EB-01	08/15/12	08/16/12	WATER	08/29/12	08/22/12	MONOCHLOROBIPHENYLS, TOTAL	0.005	0.0047	0.0047 U	U	UG/L	1	680	1
R1205380	R1205380-022	SIL	EB-01	08/15/12	08/16/12	WATER	08/29/12	08/22/12	DICHLOROBIPHENYLS, TOTAL	0.006	0.0057	0.0057 U	U	UG/L	1	680	1
R1205380	R1205380-022	SIL	EB-01	08/15/12	08/16/12	WATER	08/29/12	08/22/12	TRICHLOROBIPHENYLS, TOTAL	0.006	0.0057	0.0057 U	U	UG/L	1	680	1
R1205380	R1205380-022	SIL	EB-01	08/15/12	08/16/12	WATER	08/29/12	08/22/12	TETRACHLOROBIPHENYLS, TOTAL	0.010	0.0094	0.0094 U	U	UG/L	1	680	1
R1205380	R1205380-022	SIL	EB-01	08/15/12	08/16/12	WATER	08/29/12	08/22/12	PENTACHLOROBIPHENYLS, TOTAL	0.020	0.019	0.019 U	U	UG/L	1	680	1
R1205380	R1205380-022	SIL	EB-01	08/15/12	08/16/12	WATER	08/29/12	08/22/12	HEXACHLOROBIPHENYLS, TOTAL	0.020	0.019	0.019 U	U	UG/L	1	680	1
R1205380	R1205380-022	SIL	EB-01	08/15/12	08/16/12	WATER	08/29/12	08/22/12	HEPTACHLOROBIPHENYLS, TOTAL	0.020	0.019	0.019 U	U	UG/L	1	680	1
R1205380	R1205380-022	SIL	EB-01	08/15/12	08/16/12	WATER	08/29/12	08/22/12	OCTACHLOROBIPHENYLS, TOTAL	0.040	0.038	0.038 U	U	UG/L	1	680	1
R1205380	R1205380-022	SIL	EB-01	08/15/12	08/16/12	WATER	08/29/12	08/22/12	NONACHLOROBIPHENYLS, TOTAL	0.025	0.024	0.024 U	U	UG/L	1	680	1
R1205380	R1205380-022	SIL	EB-01	08/15/12	08/16/12	WATER	08/29/12	08/22/12	PCB 209	0.040	0.038	0.038 U	U	UG/L	1	680	1